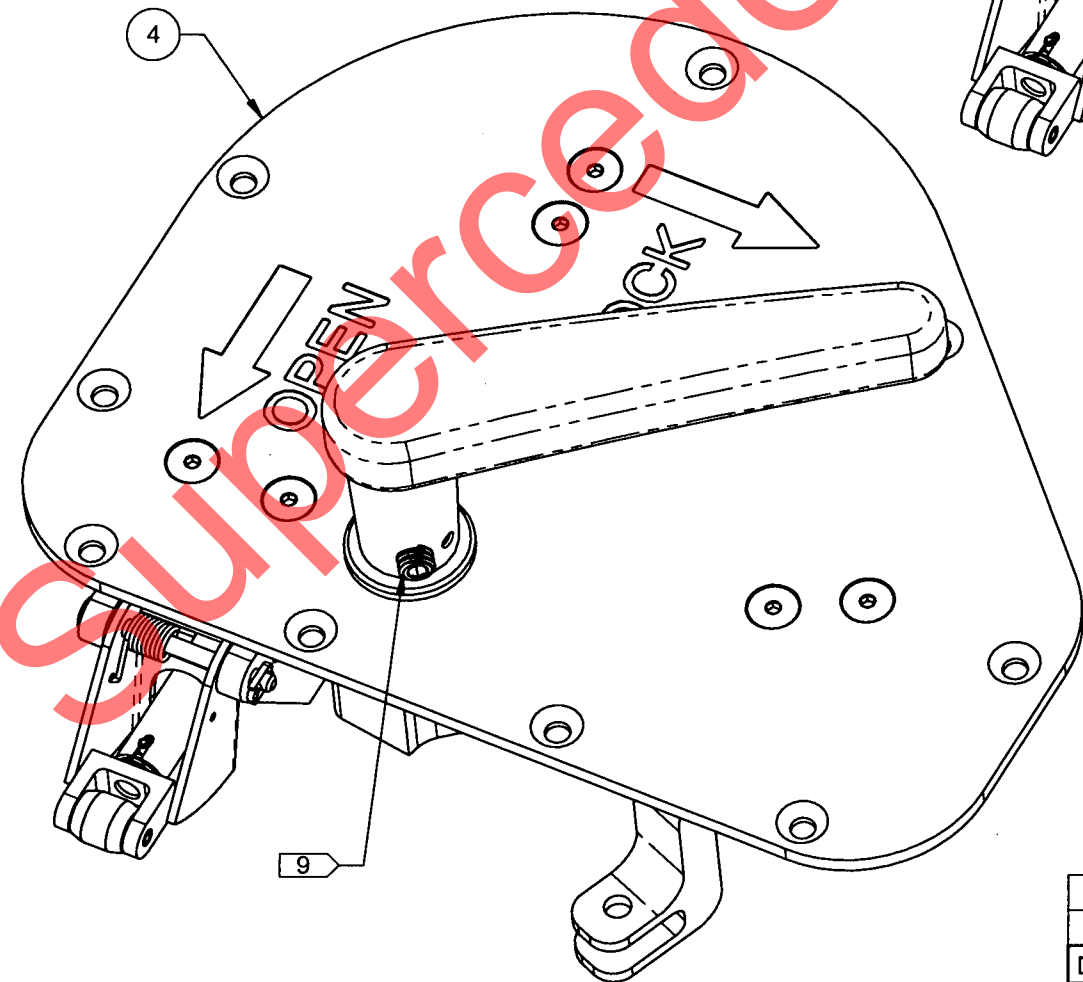


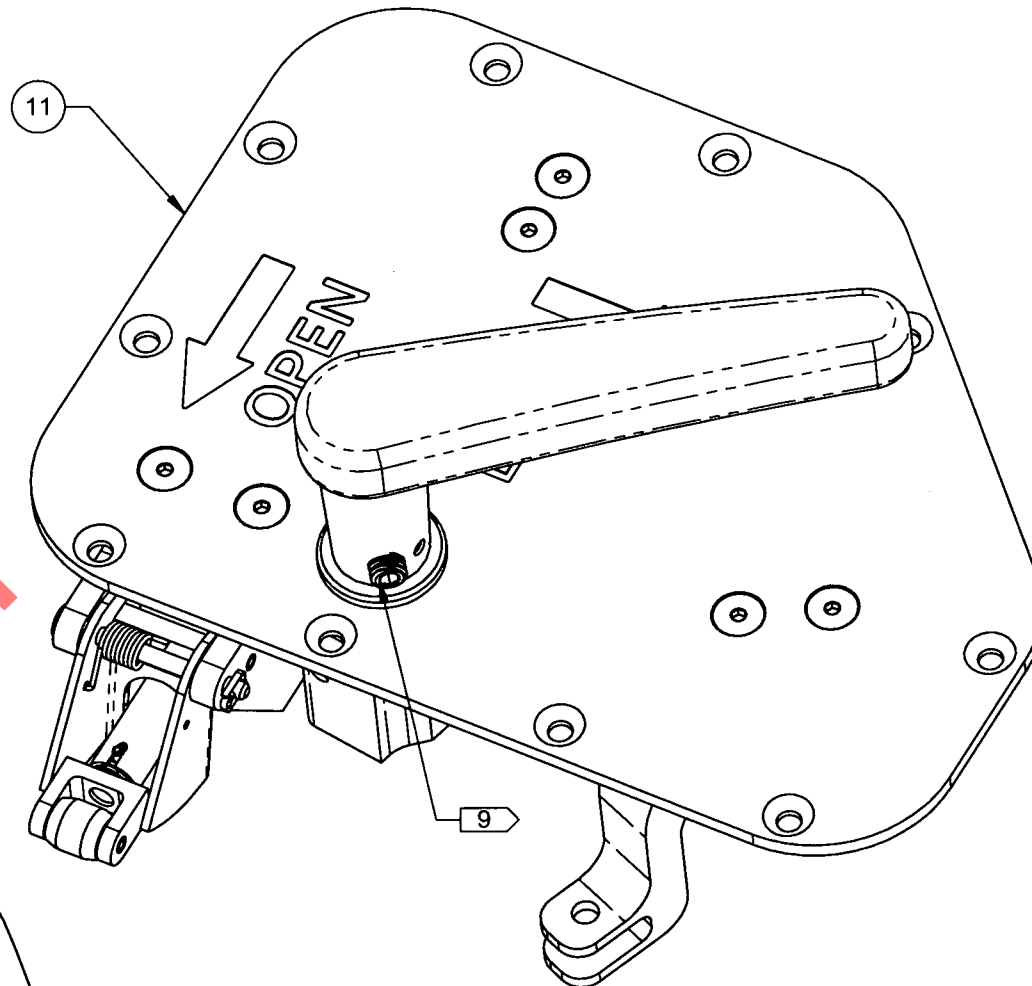
ITEM	QTY -041	QTY -043	P/N	DESCRIPTION
	X		D4522-041	DOOR LATCH ASSY, LH, OEM
		X	D4522-043	DOOR LATCH ASSY, LH
1	1	1	D4522-045	BASE, HORIZONTAL SWING ARM
2	1	1	D4522-047	BASE, VERTICAL SWING ARM
3	1	1	D4522-049	BASE, LATCH SHAFT
4	1		D4522-1	BASE PLATE, OEM (LH)
5	1	1	D4522-11	HANDLE SHAFT ARM
6	1	1	D4522-13	HANDLE SHAFT ADAPTER
7	2	2	D4522-17	LINKAGE
8	2	2	D4522-19	LINKAGE
9	2	2	D4522-21	LINKAGE
10	1	1	D4522-25	LATCH SHAFT
11		1	D4522-31	BASE PLATE (LH)
12	1	1	D4522-9	VERTICAL SWING ARM
13	1	1	D4529-041	HORIZONTAL SWING ARM
14	1	1	D4530-041	LATCH ROLLER
15	1	1	D4531-1	LATCH SHAFT BRACKET
16	1	1	D4574-1	INTERIOR L-HANDLE
17	1	1	LE045005S	EXTENSION SPRING (LEE SPRING)
18	1	1	MS-20995-C20	LOCK WIRE
19	1	1	MS16562-193	SPRING PIN
20	1	1	MS16562-223	SPRING PIN
21	1	1	MS16562-227	SPRING PIN
22	1	1	MS16624-4062	EXTERNAL RETAINING RING
23	1	1	MS20392-1P41	DRILLED PIN
24	1	1	MS20392-1R27P	DRILLED PIN
25	1	1	MS20392-1R37P	DRILLED PIN
26	4	4	MS20392-1R9P	DRILLED PIN
27	3	3	MS20392-2R41P	DRILLED PIN
28	7	7	MS24665-151	COTTER PIN
29	2	2	MS24665-155	COTTER PIN
30	6	6	MS24671-14	SCREW, FL-HD, HEX, #8
31	1	1	MS24674-13	DRILLED CAP SCREW, #10
32	5	5	NAS1149-C-N432-R	FLAT WASHER
33	1	1	NAS42DD628FC	SPACER
34	1	1	T032-180-156L	TORSION SPRING

NOTES:

- 1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: N/A  
6) IDENTIFICATION: MARK PART NUMBER AND BATCH NUMBER PER DART QSI 044 6.4  
7) WEIGHT: 2.0 lbs  
8) INSTALL ALL COTTER PINS AND LOCK WIRE IN ACCORDANCE WITH MS33540  
9) APPLY LOCTITE 262 TO HANDLE THREADS PRIOR TO TIGHTENING SET SCREW  
10) SHEETS 23-25 ARE FOR REFERENCE ONLY AND ARE MERELY **RECOMMENDED** ASSEMBLY STEPS



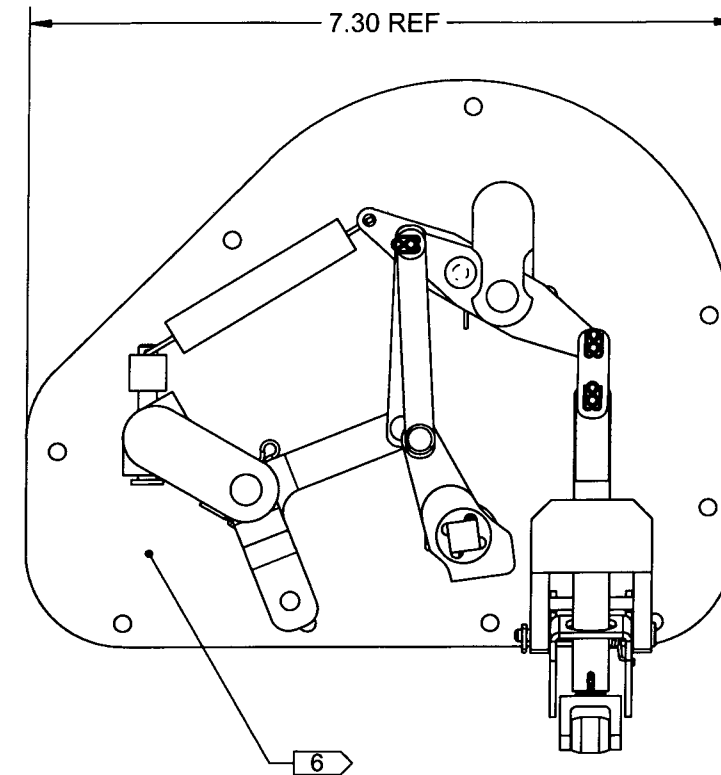
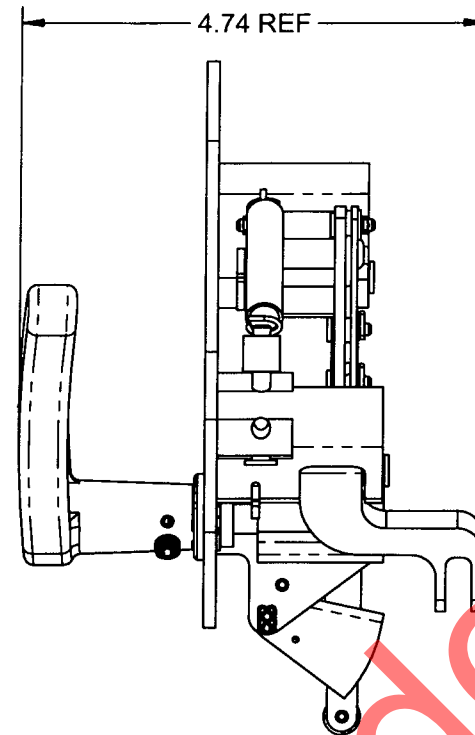
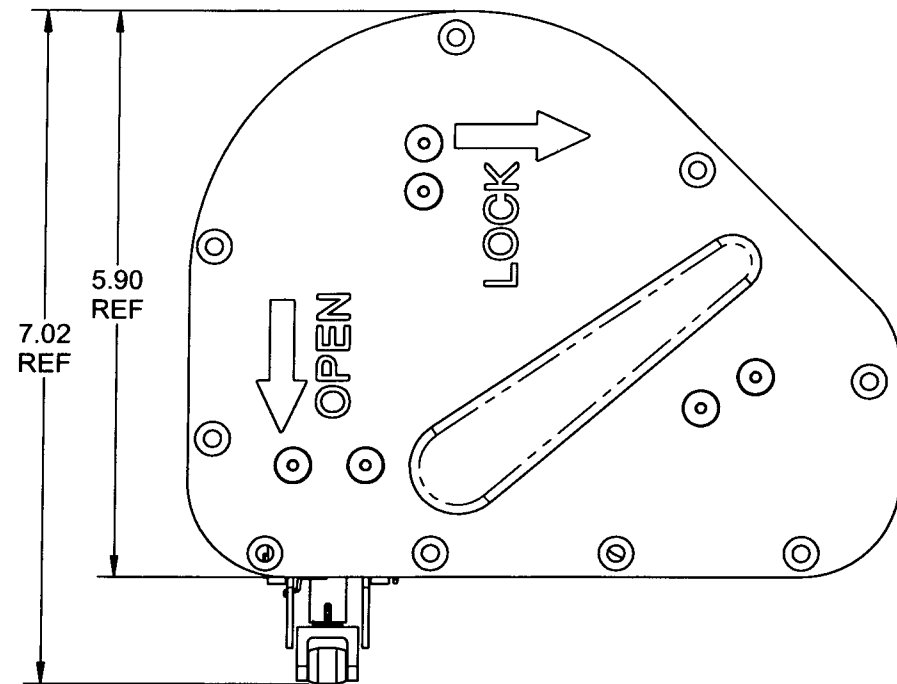
D4522-041 DOOR LATCH ASSY, LH, OEM



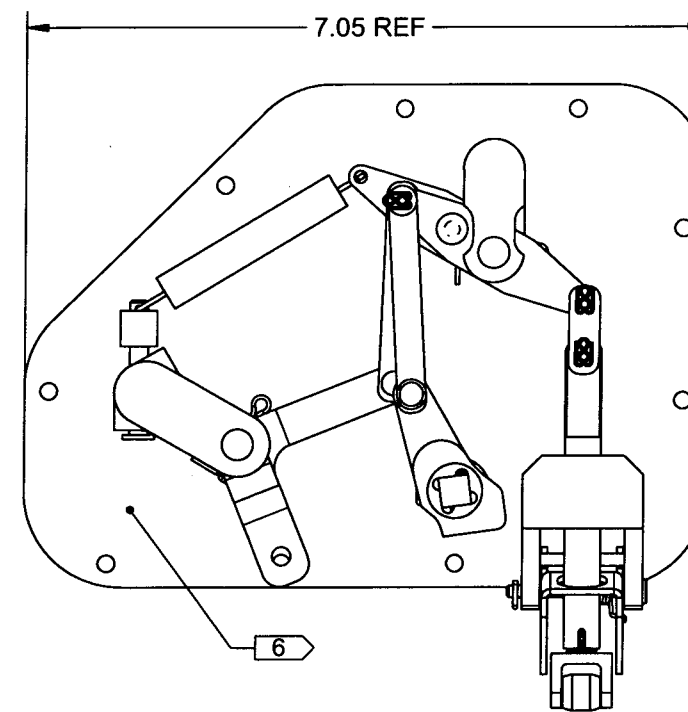
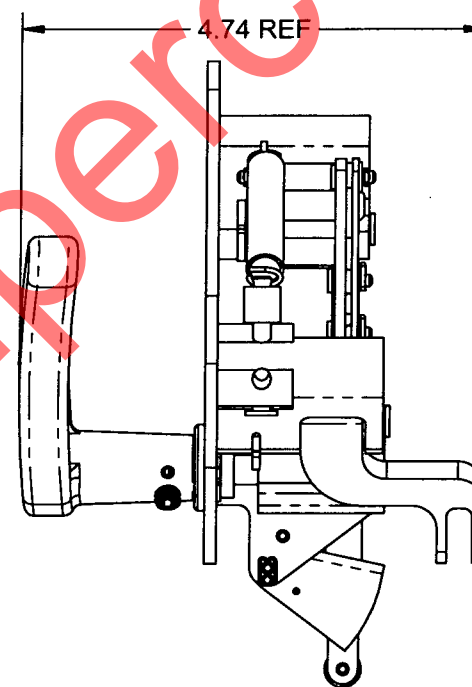
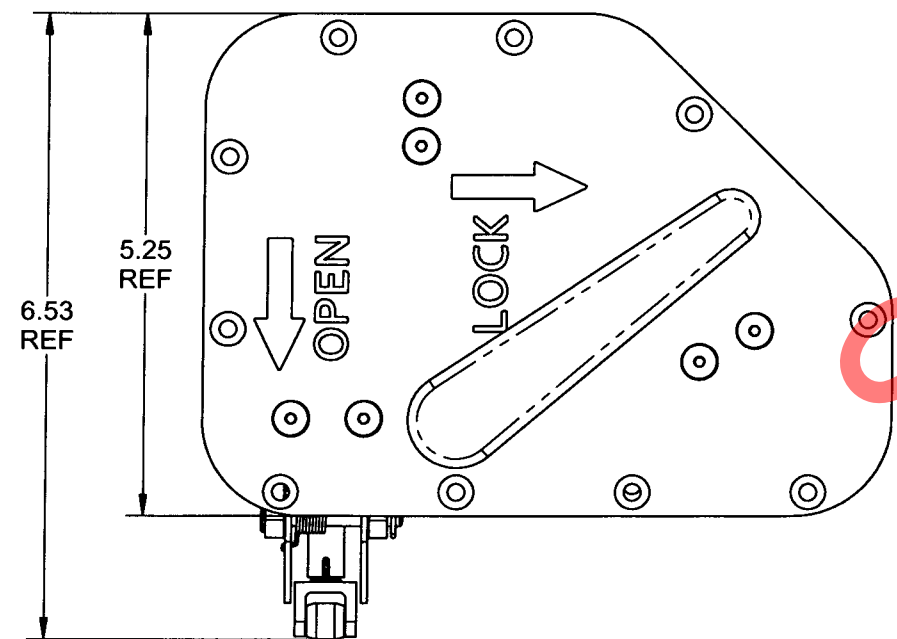
D4522-043 DOOR LATCH ASSY, LH

RELEASED  
2012-03-08  
MP

A	NEW ISSUE	RP	12.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4522	SHEET 1 OF 25
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.24	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



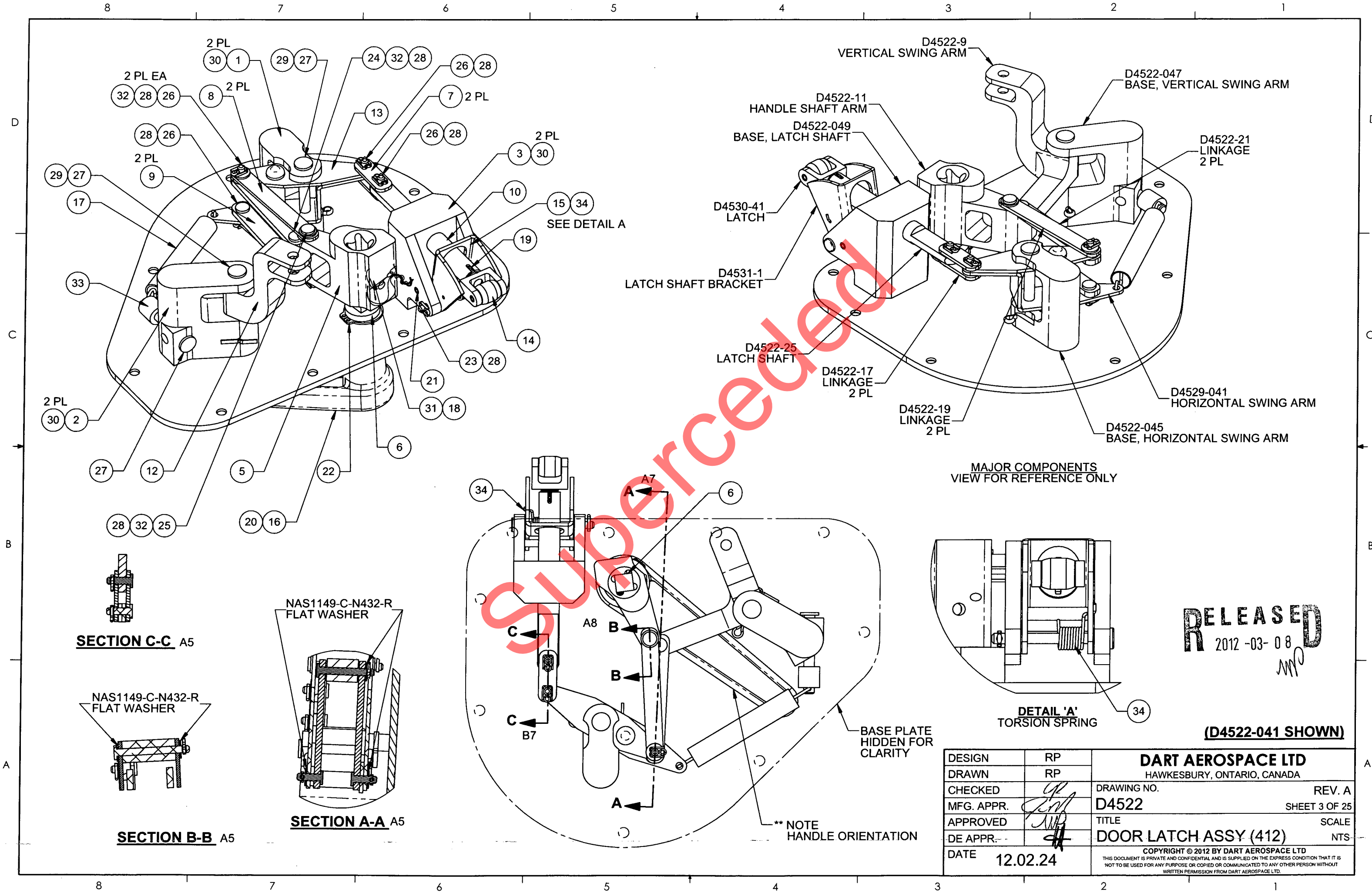
**D4522-041 DOOR LATCH ASSY, LH, OEM**



**D4522-043 DOOR LATCH ASSY, LH**

**RELEASED**  
2012-03-08

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4522</b>	SHEET 2 OF 25
APPROVED		TITLE	SCALE
DE APPR.		<b>DOOR LATCH ASSY (412)</b>	-NTS
DATE	12.02.24	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



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2012-03-08  
MD

(D4522-041 SHOWN)

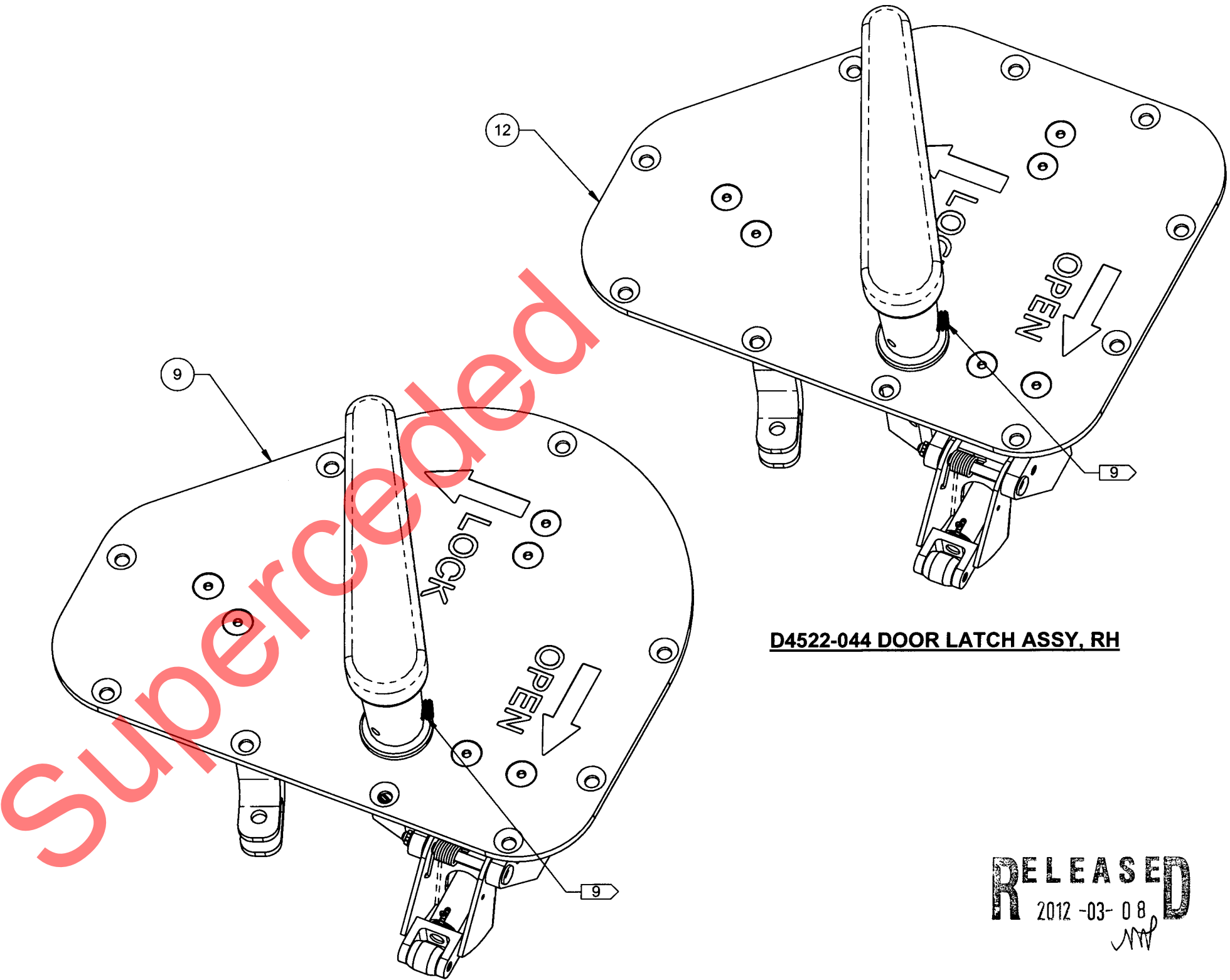
DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4522	SHEET 3 OF 25
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.24	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



ITEM	QTY -042	QTY -044	P/N	DESCRIPTION
	X		D4522-042	DOOR LATCH ASSY, RH, OEM
		X	D4522-044	DOOR LATCH ASSY, RH
1	1	1	D4522-045	BASE, HORIZONTAL SWING ARM
2	1	1	D4522-047	BASE, VERTICAL SWING ARM
3	1	1	D4522-049	BASE, LATCH SHAFT
4	1	1	D4522-10	VERTICAL SWING ARM
5	1	1	D4522-12	HANDLE SHAFT ARM
6	1	1	D4522-13	HANDLE SHAFT ADAPTER
7	2	2	D4522-17	LINKAGE
8	2	2	D4522-19	LINKAGE
9	1		D4522-2	BASE PLATE, OEM (RH)
10	2	2	D4522-21	LINKAGE
11	1	1	D4522-25	LATCH SHAFT
12		1	D4522-32	BASE PLATE (RH)
13	1	1	D4529-041	HORIZONTAL SWING ARM
14	1	1	D4530-041	LATCH ROLLER
15	1	1	D4531-1	LATCH SHAFT BRACKET
16	1		D4574-1	INTERIOR L-HANDLE
17	1	1	LE045005S	EXTENSION SPRING (LEE SPRING)
18	1	1	MS-20995-C20	LOCK WIRE
19	1	1	MS16562-193	SPRING PIN
20	1	1	MS16562-223	SPRING PIN
21	1	1	MS16562-227	SPRING PIN
22	1	1	MS16624-4062	EXTERNAL RETAINING RING
23	1	1	MS20392-1P41	DRILLED PIN
24	1	1	MS20392-1R27P	DRILLED PIN
25	1	1	MS20392-1R37P	DRILLED PIN
26	4	4	MS20392-1R9P	DRILLED PIN
27	3	3	MS20392-2R41P	DRILLED PIN
28	7	7	MS24665-151	COTTER PIN
29	2	2	MS24665-155	COTTER PIN
30	6	6	MS24671-14	SCREW, FL-HD, HEX, #8
31	1	1	MS24674-13	DRILLED CAP SCREW, #10
32	5	5	NAS1149-C-N432-R	FLAT WASHER
33	1	1	NAS42DD628FC	SPACER
34	1	1	T032-180-156L	TORSION SPRING

NOTES:

- 1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: N/A  
6) IDENTIFICATION: MARK PART NUMBER AND BATCH NUMBER PER DART QSI 044 6.4  
7) WEIGHT: 2.0 lbs  
8) INSTALL ALL COTTER PINS AND LOCK WIRE IN ACCORDANCE WITH MS33540  
9) APPLY LOCTITE 262 TO HANDLE THREADS PRIOR TO TIGHTENING SET SCREW  
10) SHEETS 22 -24 ARE FOR REFERENCE ONLY AND ARE MERELY **RECOMMENDED** ASSEMBLY STEPS



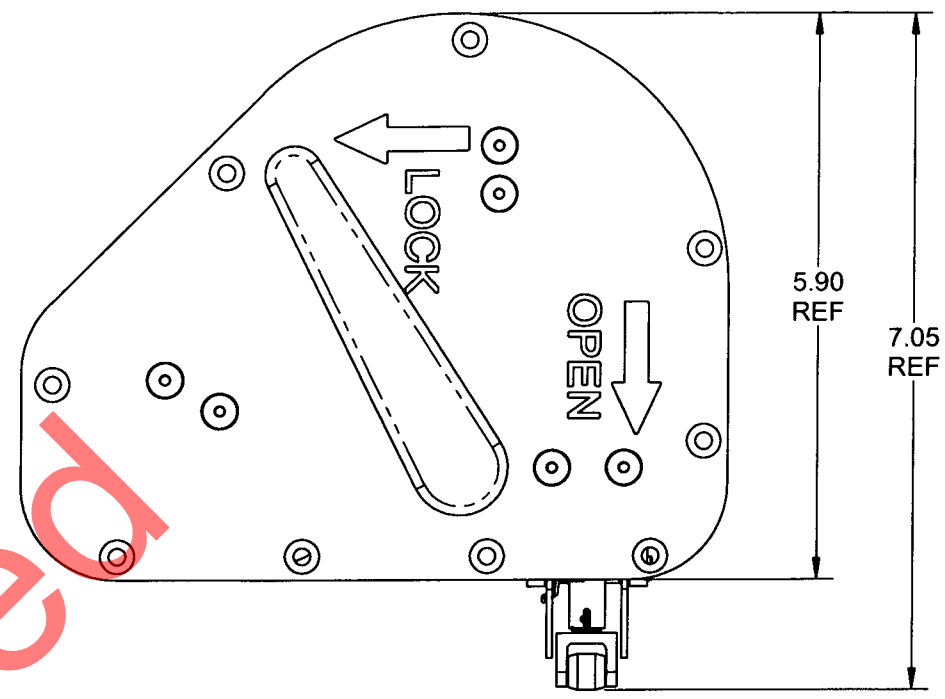
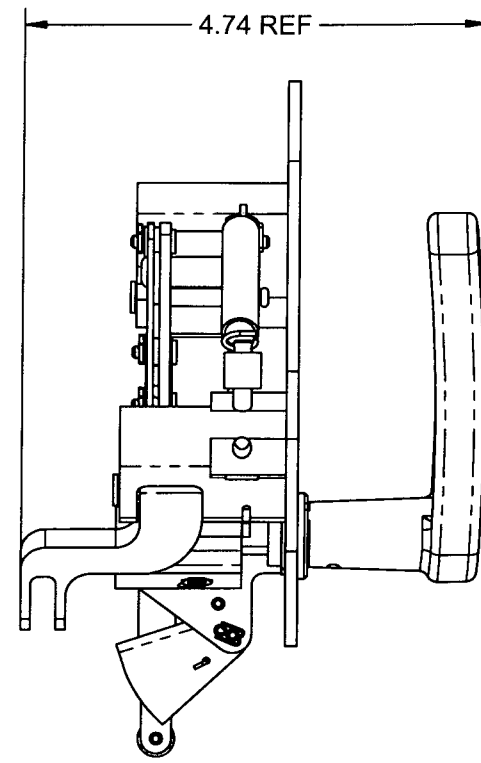
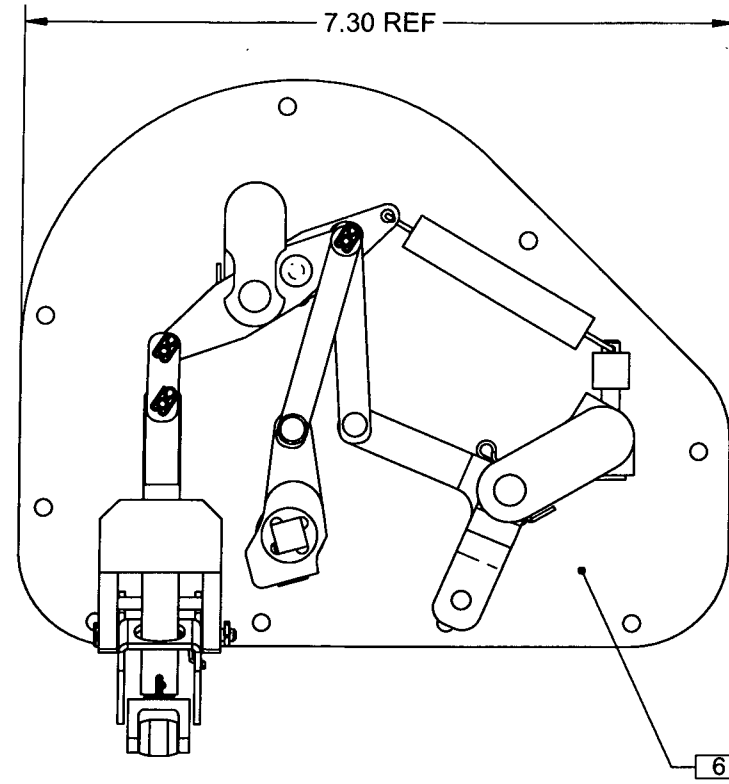
RELEASED  
2012-03-08  
mm

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO. D4522	REV. A
MFG. APPR.	MM		SHEET 4 OF 25
APPROVED	MM	TITLE DOOR LATCH ASSY (412)	SCALE NTS
DE APPR.	MM		
DATE	12.02.24	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

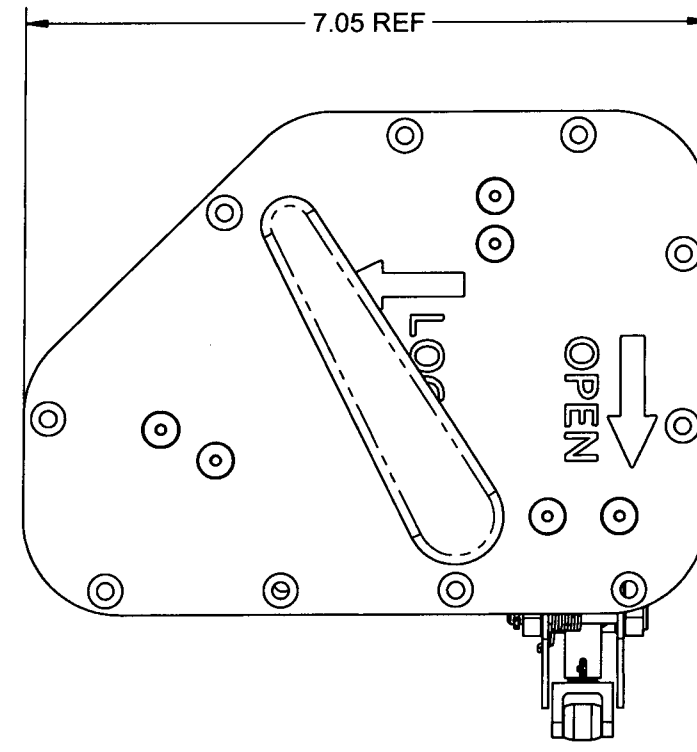
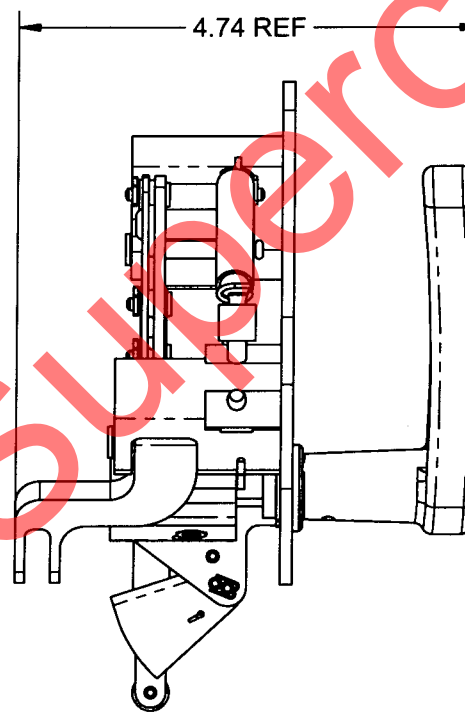
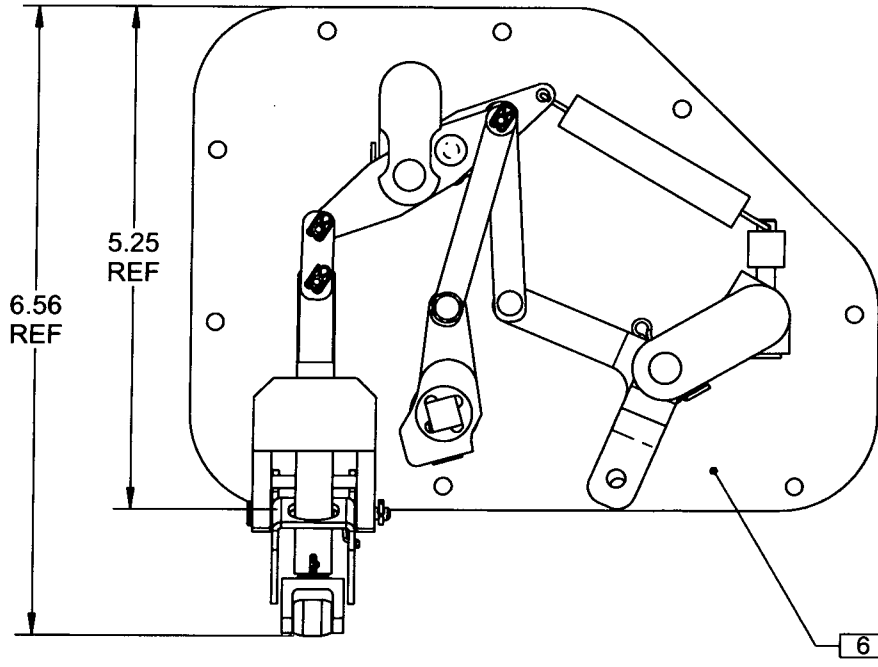
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D  
C  
B  
A

D  
C  
B  
A



**D4522-042 DOOR LATCH ASSY, RH, OEM**

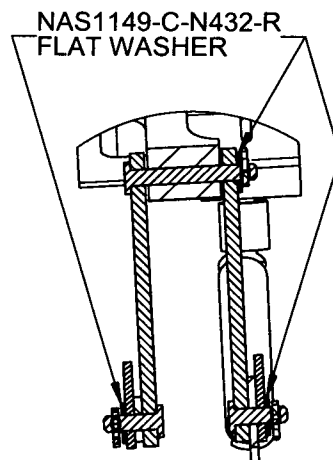
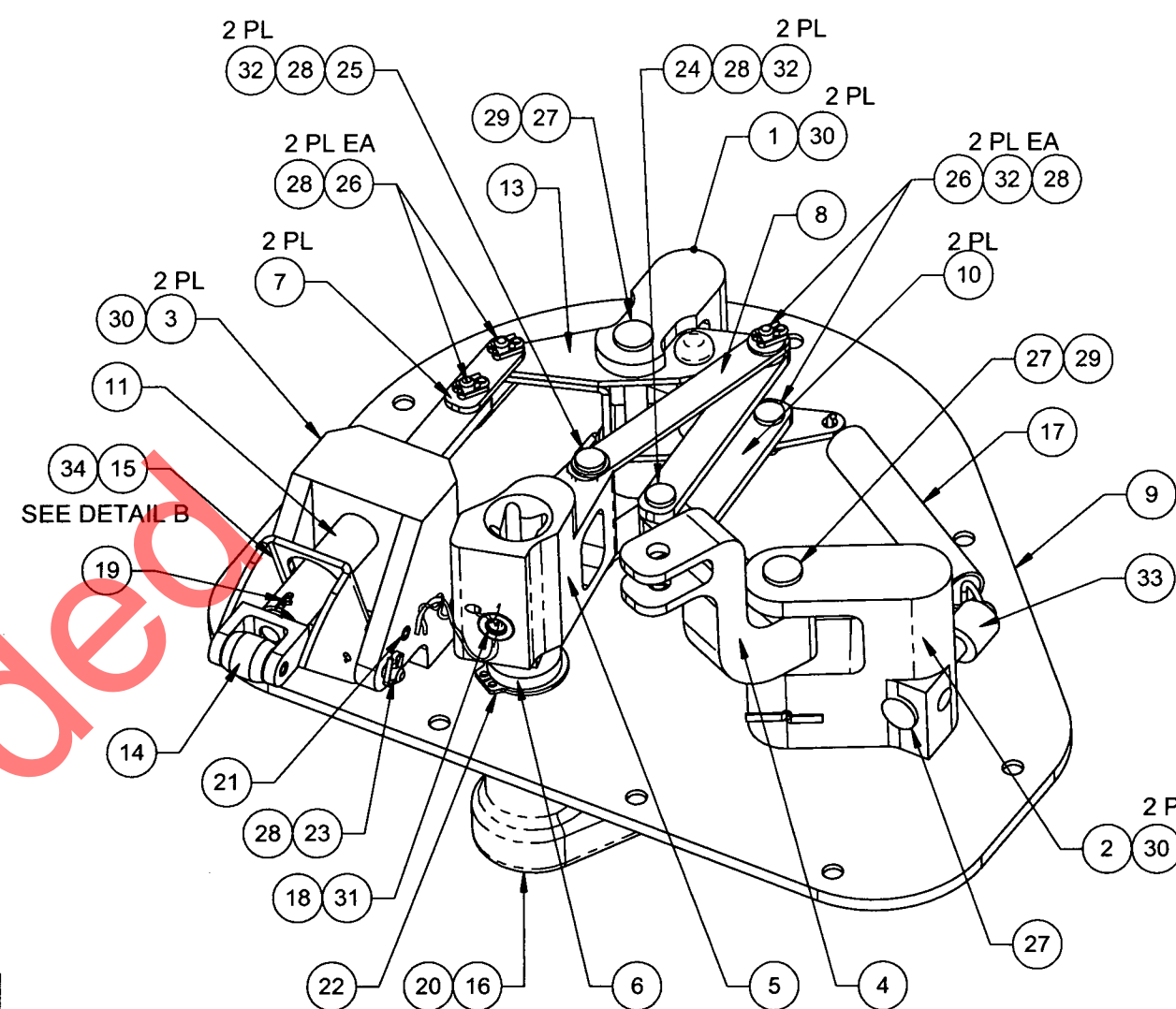
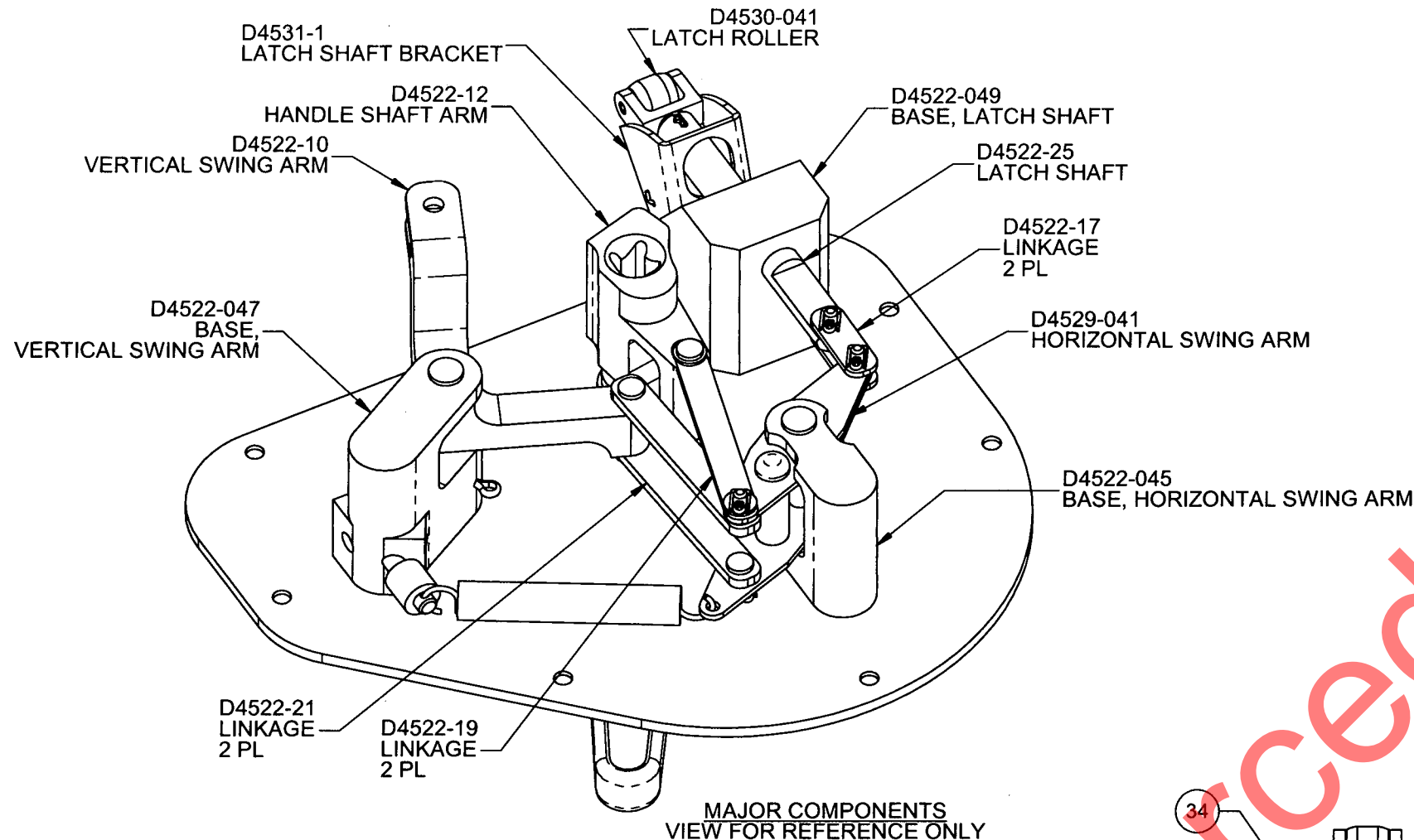


**D4522-044 DOOR LATCH ASSY, RH**

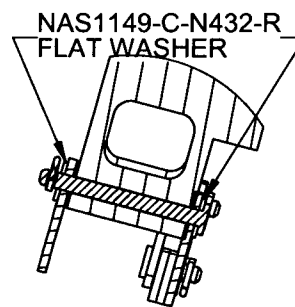
**RELEASED**  
2012-03-08  
my

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	<b>D4522</b>	SHEET 5 OF 25
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>DOOR LATCH ASSY (412)</b>	NTS
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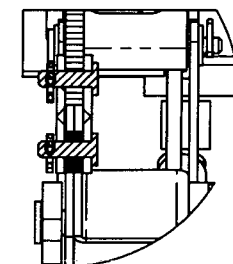
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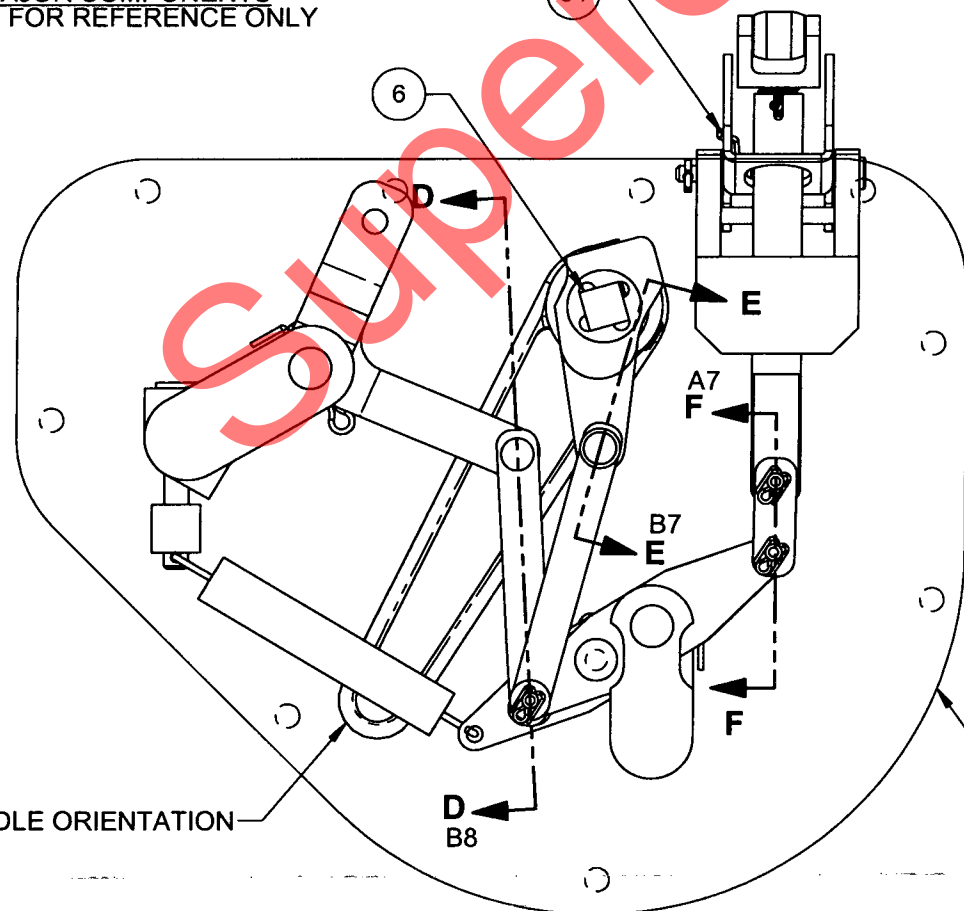
SECTION D-D B5



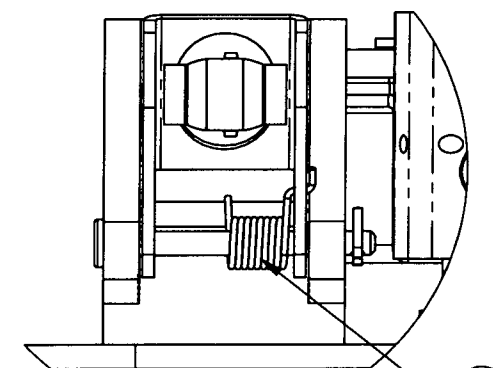
SECTION E-E B5



SECTION F-F B5



\*\* NOTE HANDLE ORIENTATION

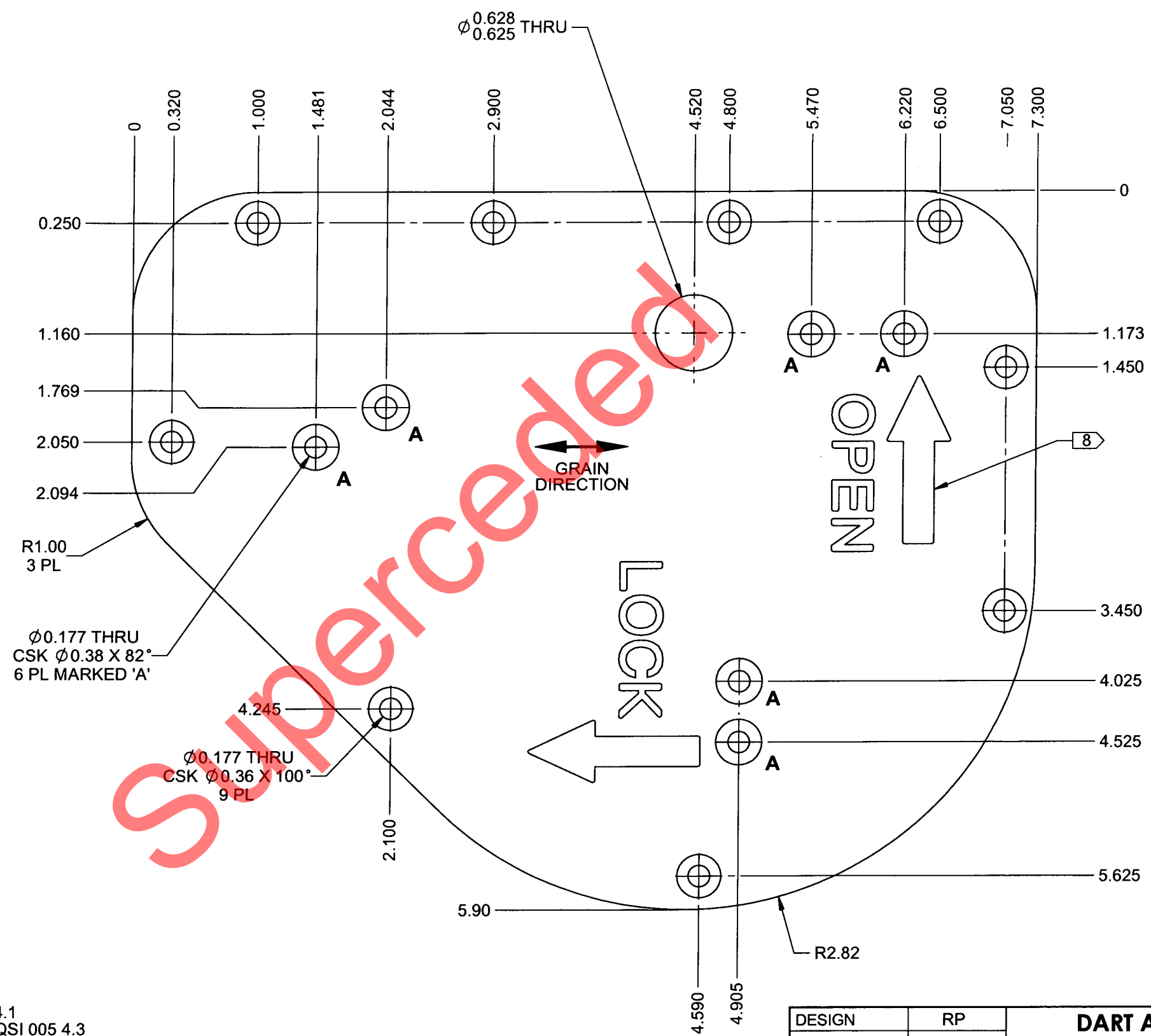
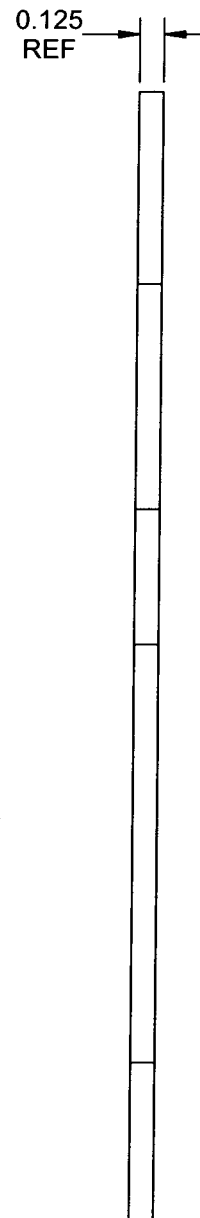


DETAIL 'B'  
TORSION SPRING

RELEASED  
2012-03-08

(D4522-042 SHOWN)

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4522</b>	SHEET 6 OF 25
APPROVED		TITLE	SCALE
DE APPR.		<b>DOOR LATCH ASSY (412)</b>	NTS
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NOTES:

- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 REF M6061T6S.125
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT ANSI 61 (4.3.5.15) GREY PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.4 lbs
- 8) ENGRAVE TEXT AND ARROWS .010" DP IN APPROXIMATE LOCATION SHOWN  
TEXT TO BE APPROX. 0.32 HIGH

**D4522-1 BASE PLATE, OEM (LH)**

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4522</b>	SHEET 7 OF 25
APPROVED		TITLE	SCALE
DE APPR.		<b>DOOR LATCH ASSY (412)</b>	NTS
DATE	12.02.24	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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2012-03-08  
MP



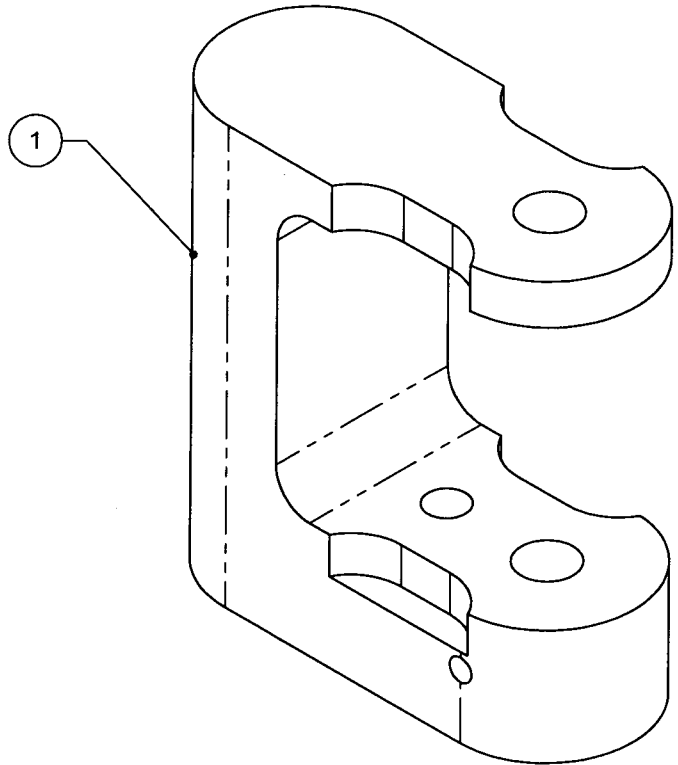
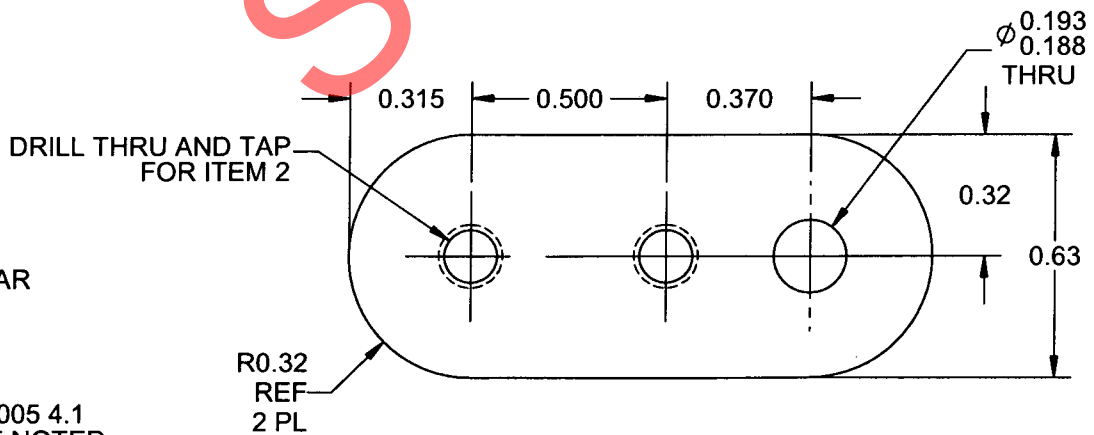
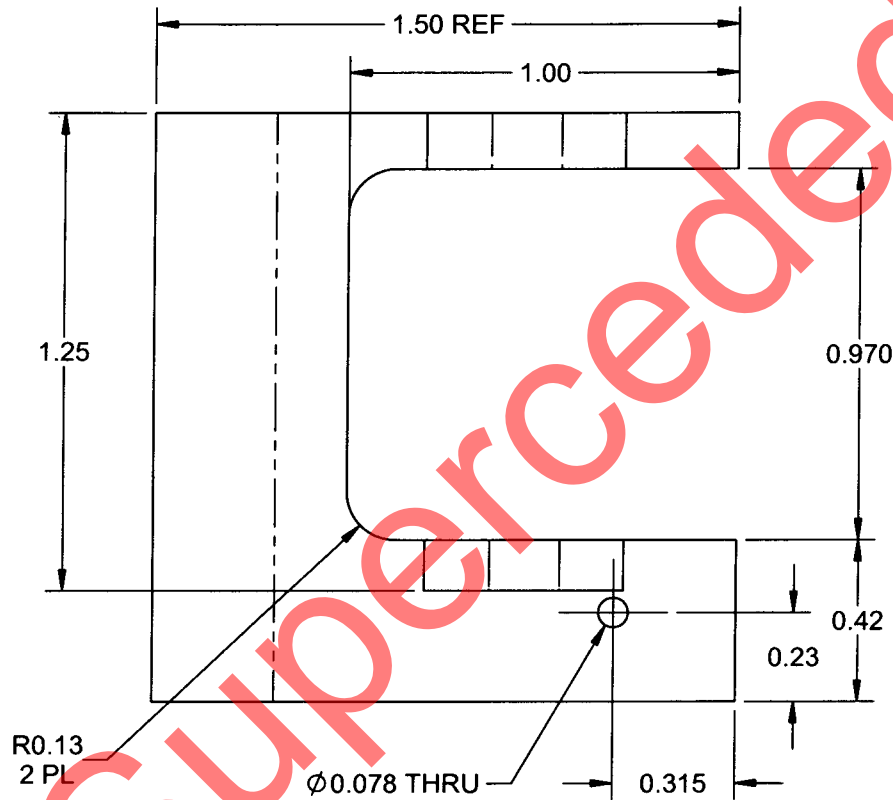
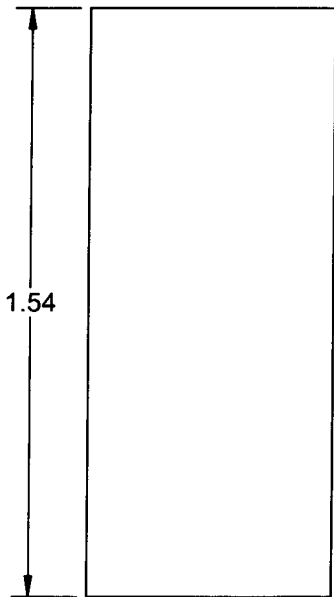
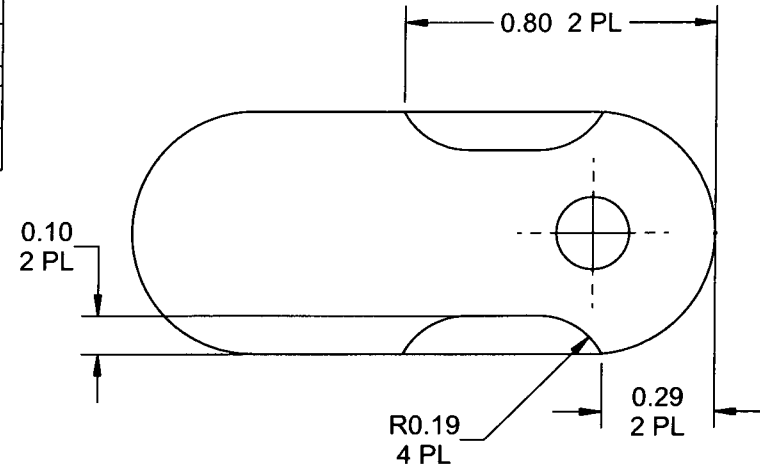








ITEM	QTY -045	P/N	DESCRIPTION
	X	D4522-045	BASE, HORIZONTAL SWING ARM
1	1	D4522-3	BASE, HORIZONTAL SWING ARM
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



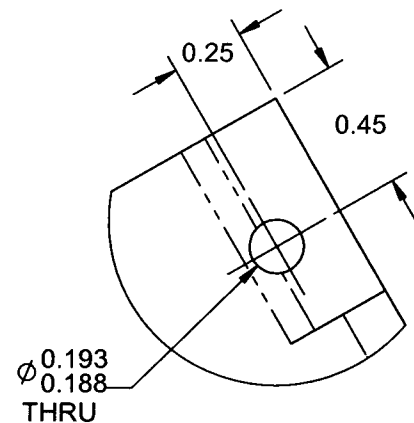
- NOTES:
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
  - 7) WEIGHT: 0.07 lbs

**D4522-045 BASE, HORIZONTAL SWING ARM**

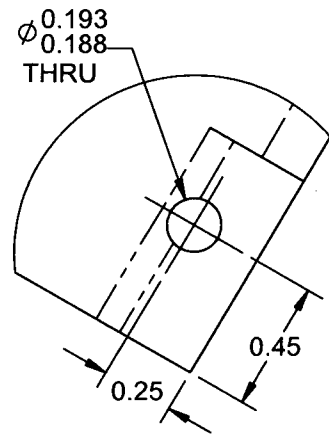
**RELEASED**  
2012-03-08

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	<b>D4522</b>	SHEET 11 OF 25
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>DOOR LATCH ASSY (412)</b>	NTS
DATE	<b>12.02.24</b>	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

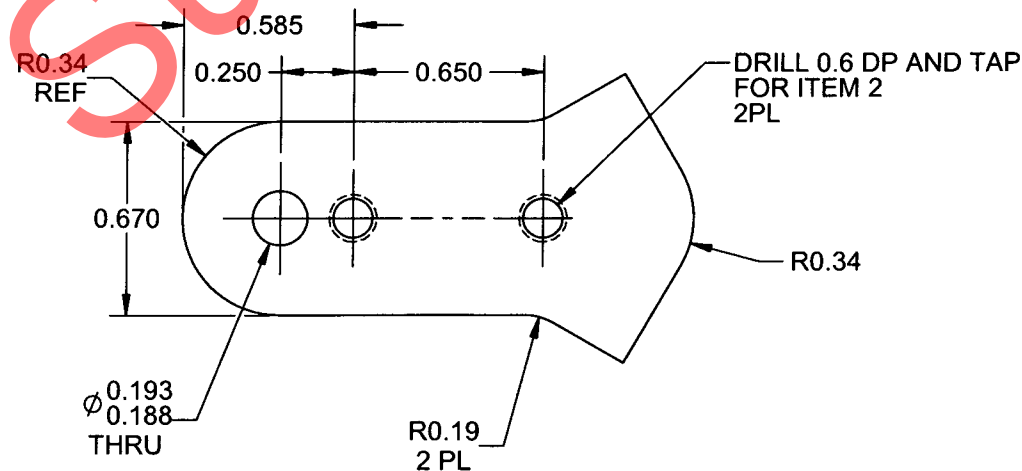
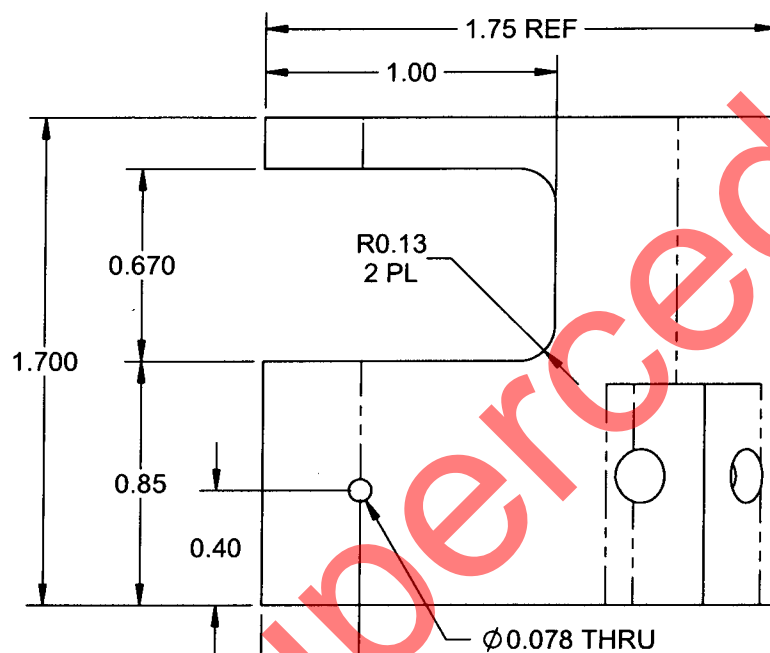
ITEM	QTY -047	P/N	DESCRIPTION
	X	D4522-047	BASE, VERTICAL SWING ARM
1	1	D4522-5	BASE, VERTICAL SWING ARM
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



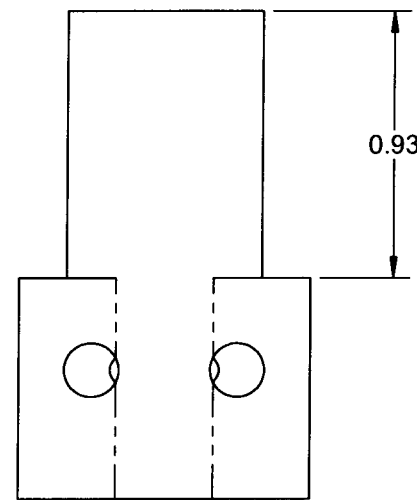
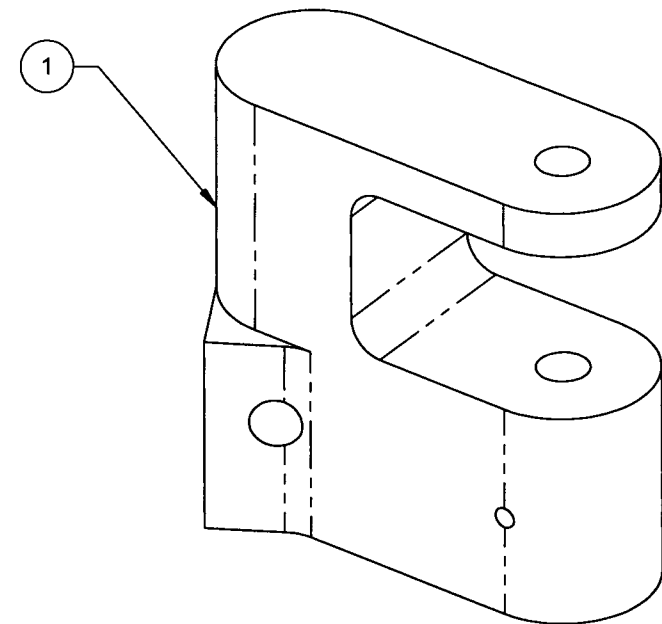
VIEW G-G D4



VIEW H-H C4



D4522-047 BASE, VERTICAL SWING ARM

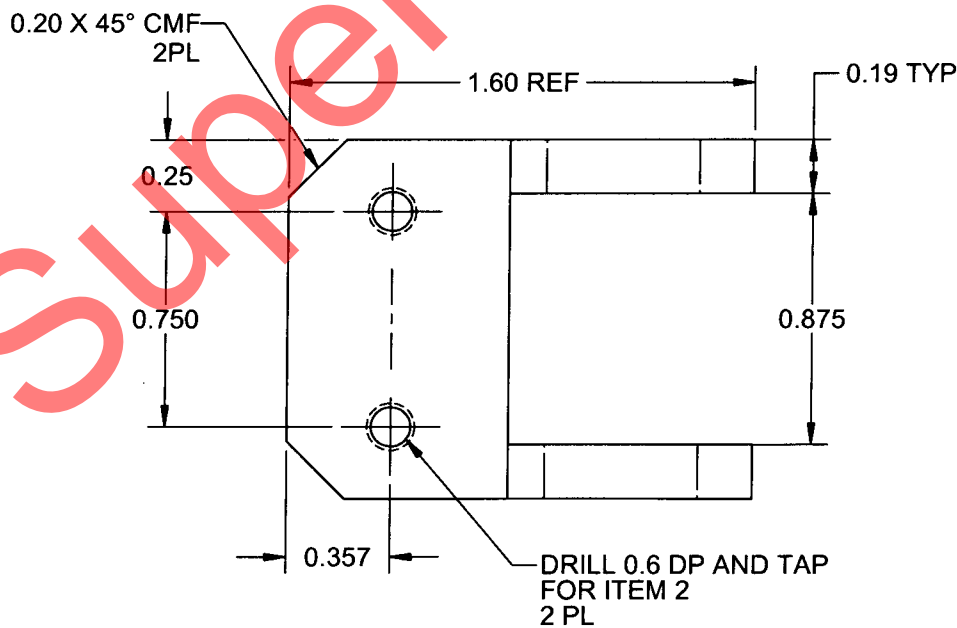
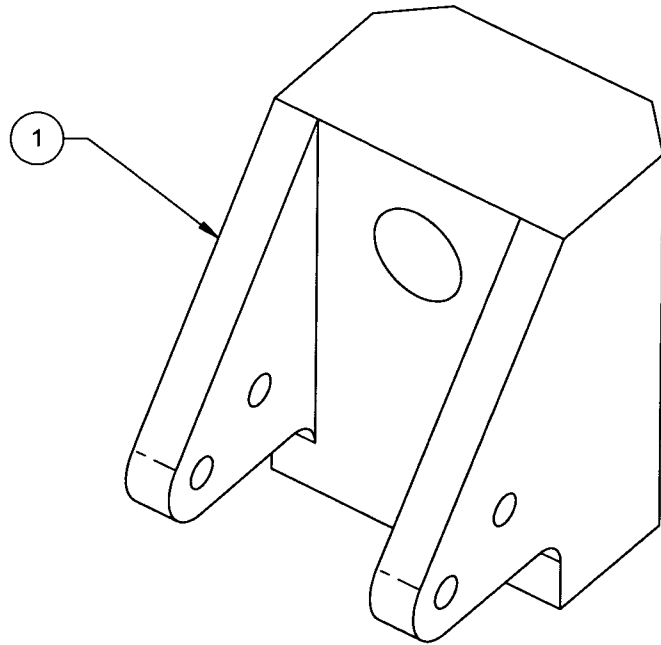
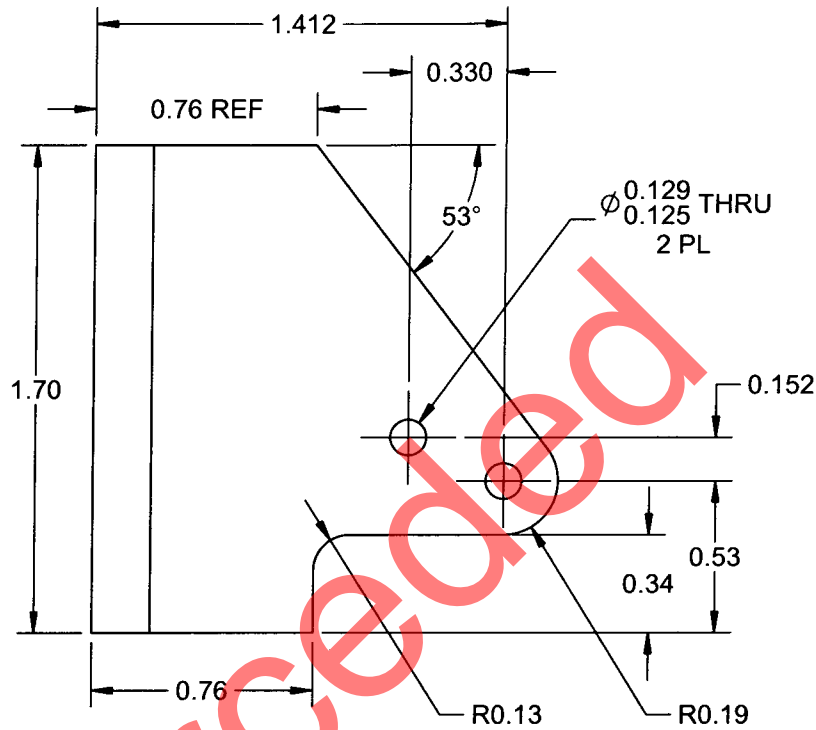
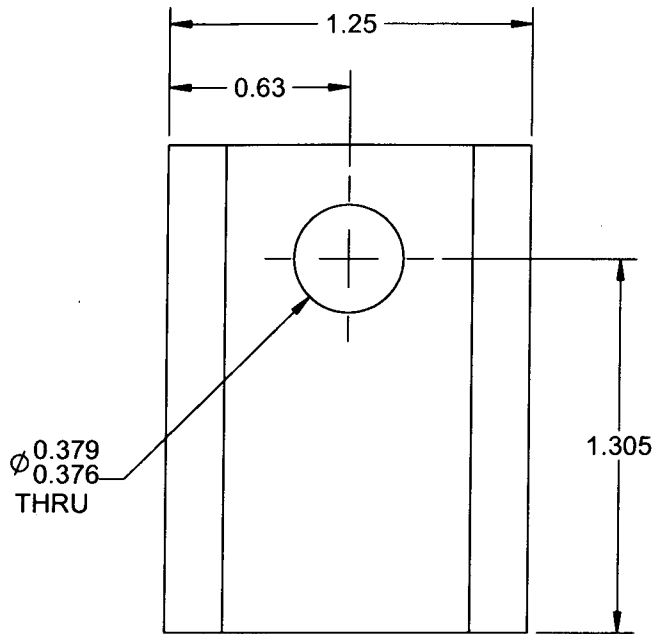


- NOTES:
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 REF DART SPEC M6061T6B
  - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
  - 7) WEIGHT: 0.14 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4522	SHEET 12 OF 25
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.24	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



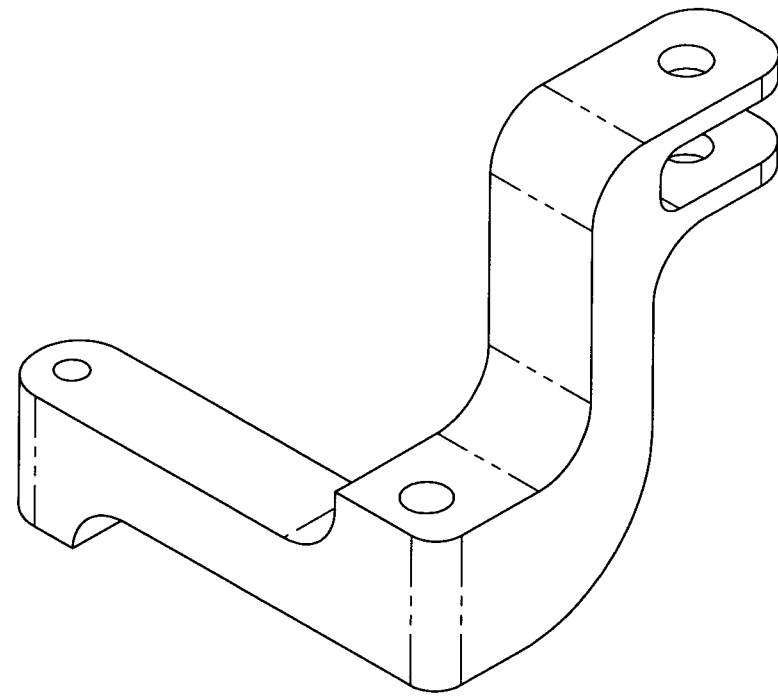
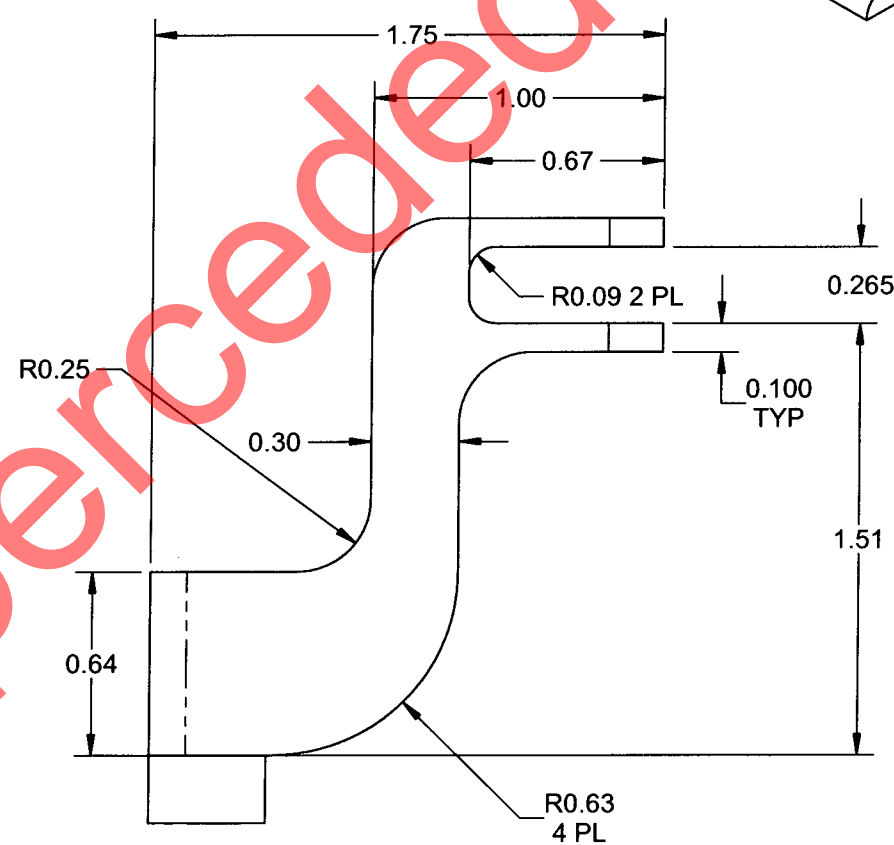
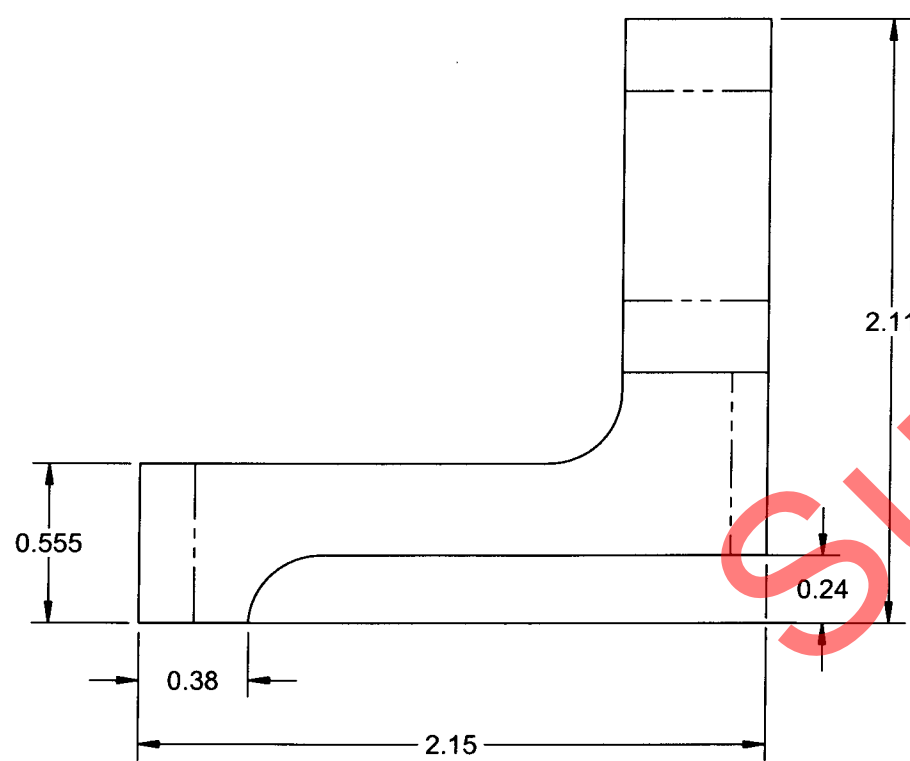
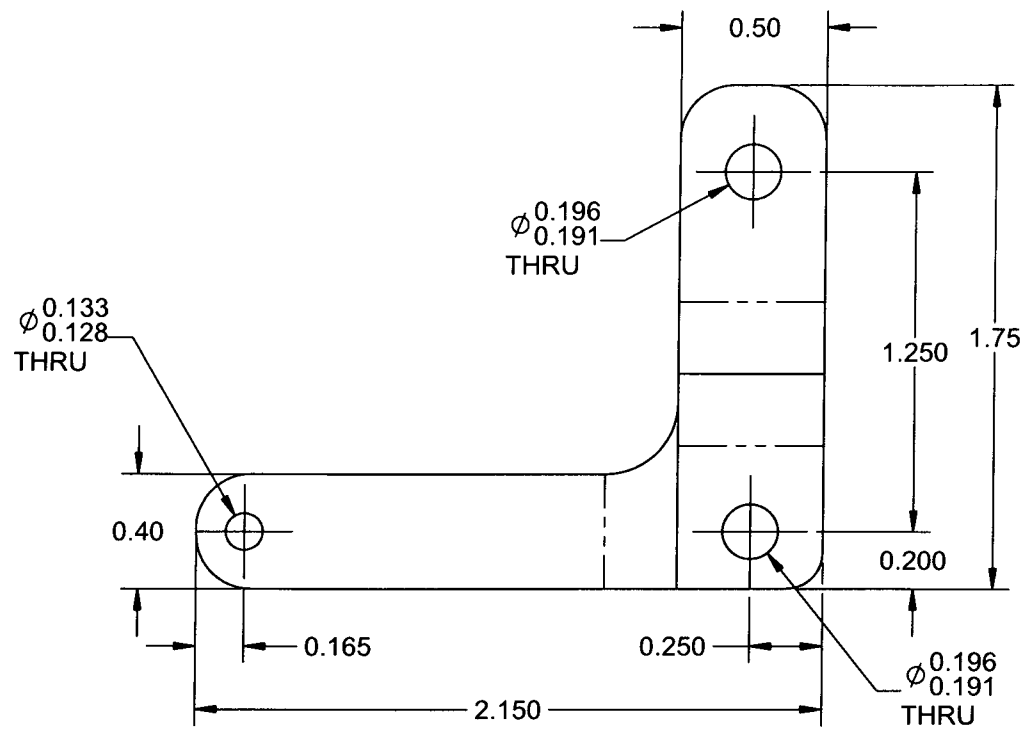
ITEM	QTY -049	P/N	DESCRIPTION
	X	D4522-049	BASE, LATCH SHAFT
1	1	D4522-7	BASE, LATCH SHAFT
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



- NOTES:
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
AMS4117/4128/4115/4116 OR QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
  - 7) WEIGHT: 0.16 lbs

**D4522-049 BASE, LATCH SHAFT**

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO. <b>D4522</b>	REV. A
MFG. APPR.			SHEET 13 OF 25
APPROVED		TITLE <b>DOOR LATCH ASSY (412)</b>	SCALE NTS
DE APPR.		COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	12.02.24		


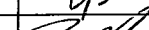



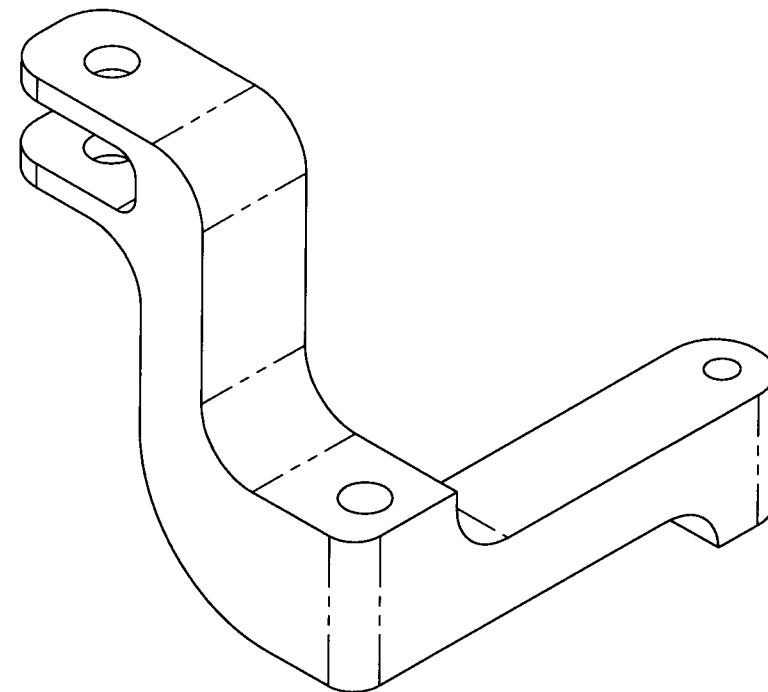
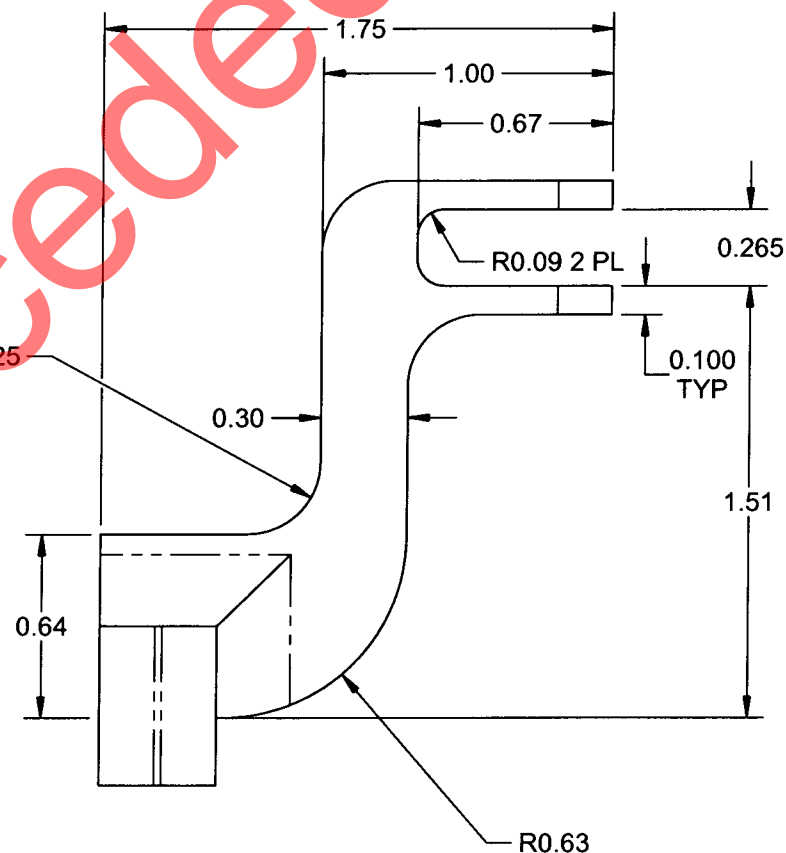
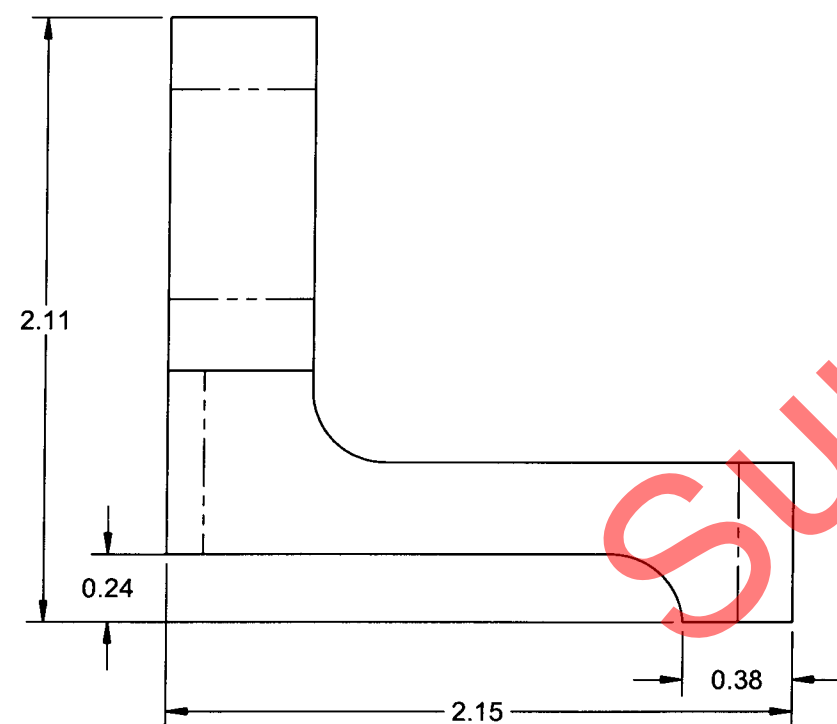
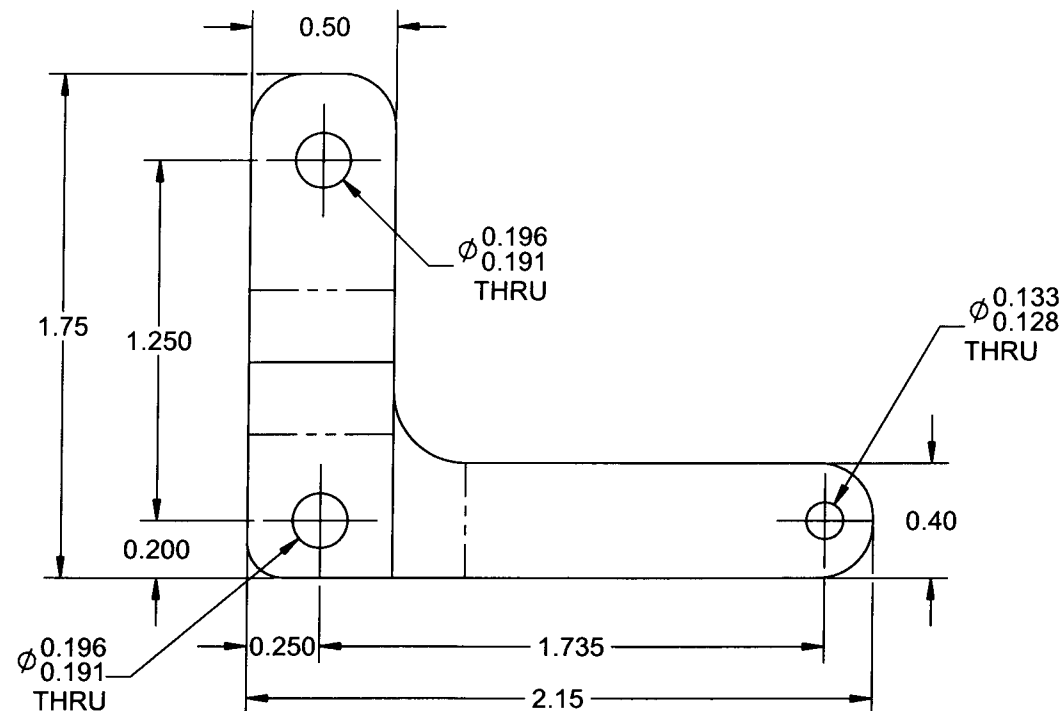
Supercade

RELEASED  
2012-03-08  
JAP

**D4522-9 VERTICAL SWING ARM**

- NOTES:**
- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582  
REF DART SPEC M303B OR  
AISI 304/316 SS BAR OR PLATE  
PER ASTM A276 OR ASTM A240  
REF DART SPEC M304B
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
  - 7) WEIGHT: 0.19 lbs
  - 8) PROFILE PER DWG FILE "D4522-9-RevA.STP"

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4522	SHEET 14 OF 25
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS.
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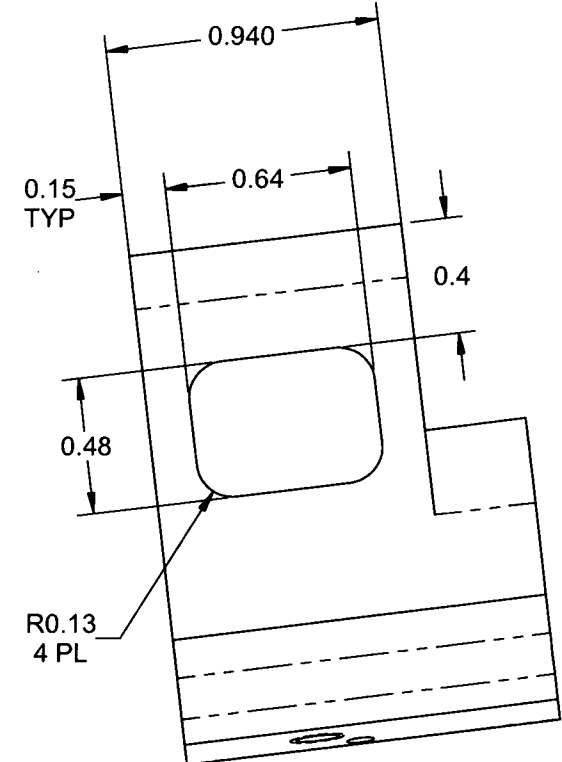
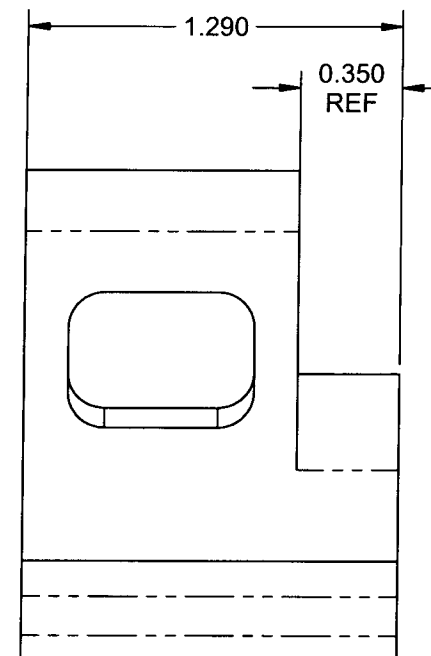
# NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582  
REF DART SPEC M303B OR  
AISI 304/316 SS BAR OR PLATE  
PER ASTM A276 OR ASTM A240  
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.19 lbs
- 8) PROFILE PER DWG FILE "D4522-10-RevA.STP"

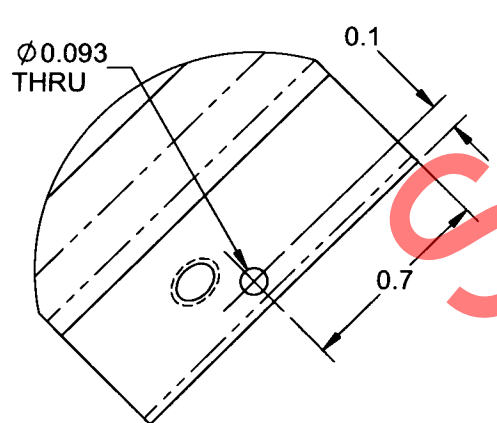
## **D4522-10 VERTICAL SWING ARM**

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4522</b>	SHEET 15 OF 25
APPROVED		TITLE	SCALE
DE APPR.		<b>DOOR LATCH ASSY (412)</b>	NTS
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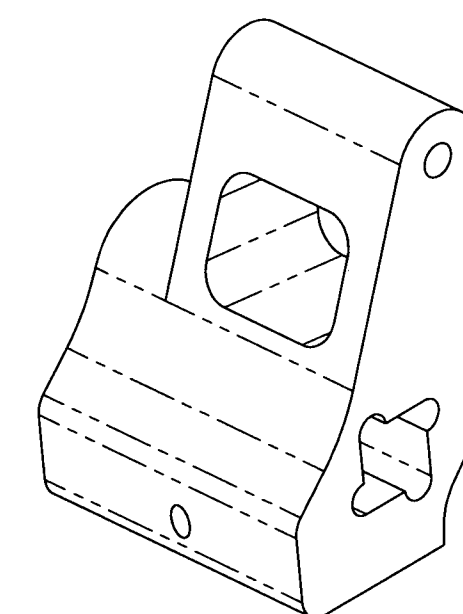
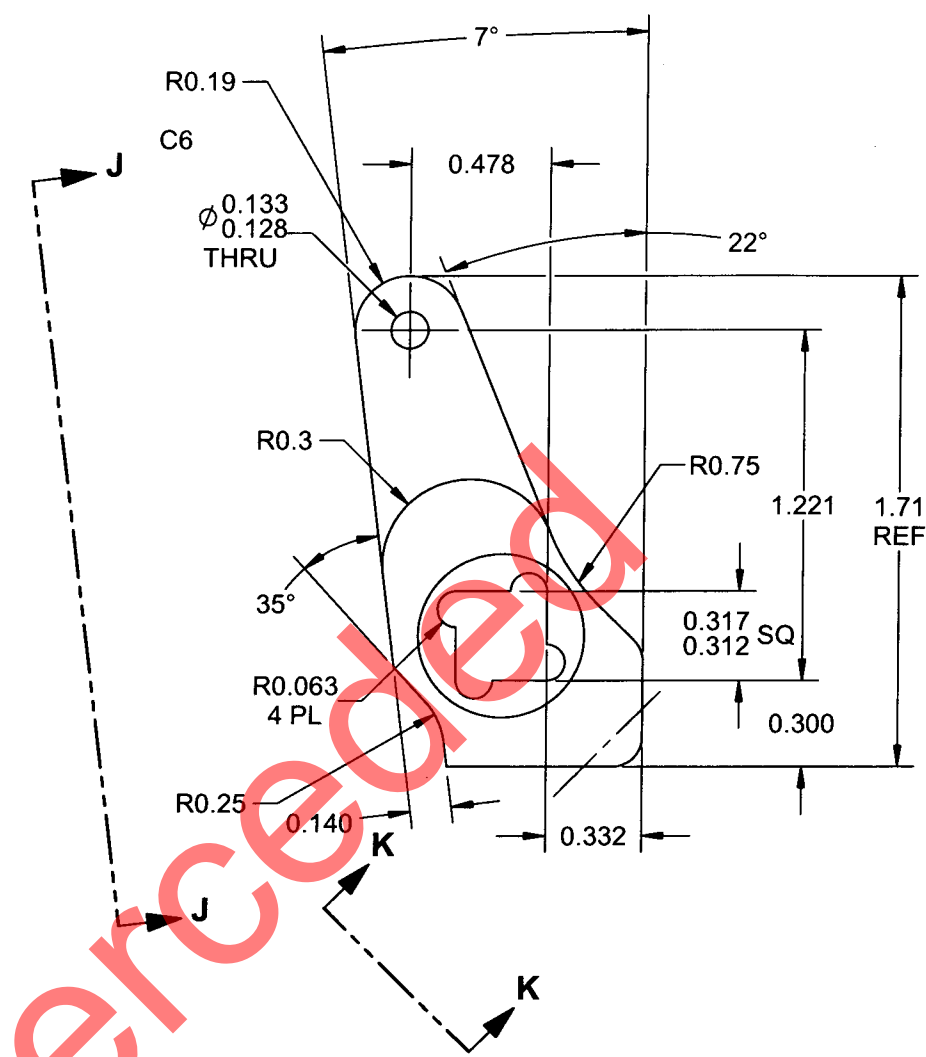
RELEASED  
2012-03-08



VIEW J-J C4



VIEW K-K



RELEASED  
2012-03-08  
MP

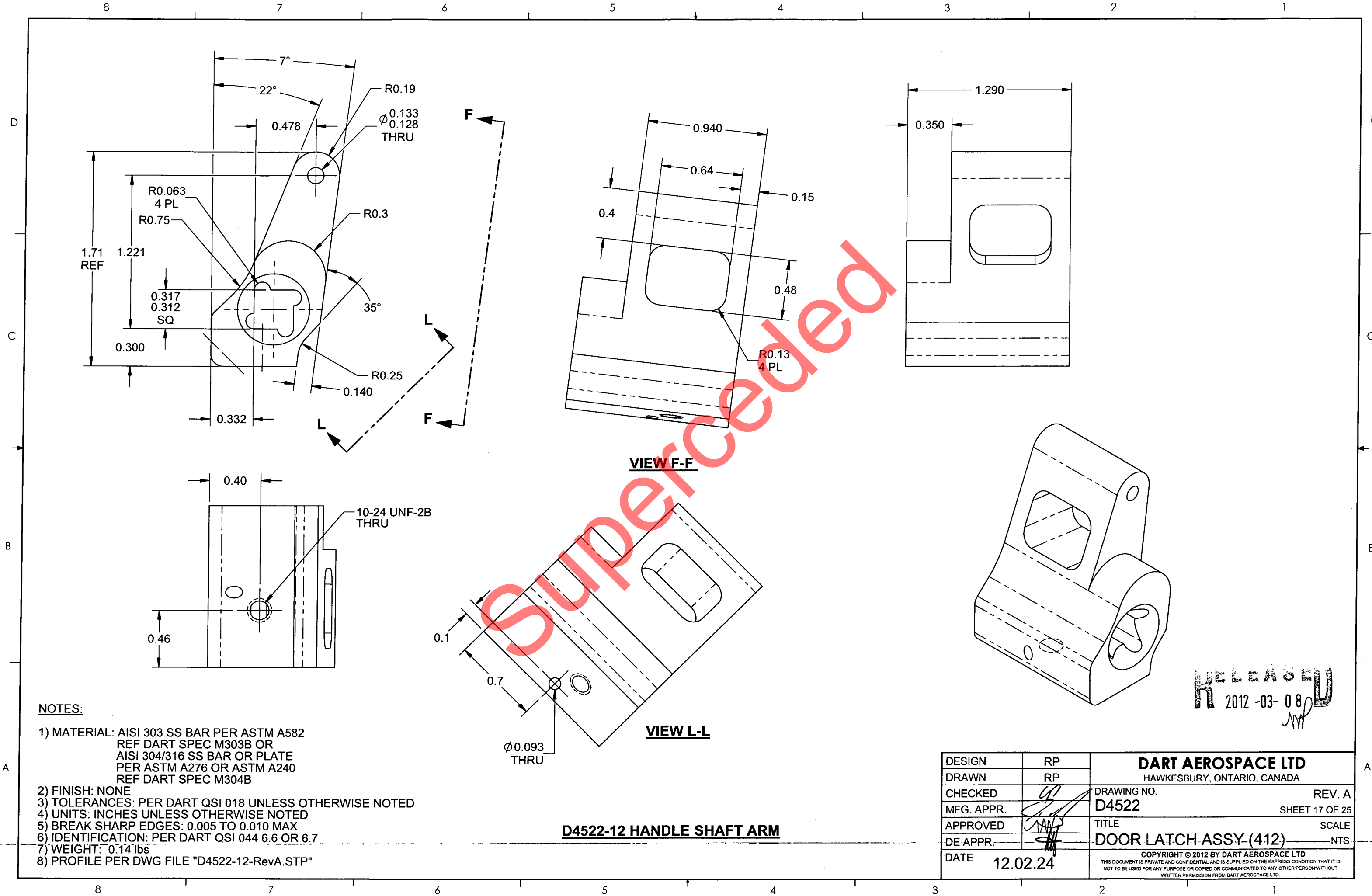
NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582  
REF DART SPEC M303B OR  
AISI 304/316 SS BAR OR PLATE  
PER ASTM A276 OR ASTM A240  
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.14 lbs
- 8) PROFILE PER DWG FILE "D4522-11-RevA.STP"

D4522-11 HANDLE SHAFT ARM

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4522	SHEET 16 OF 25
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY-(412)	NTS
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NOTES:

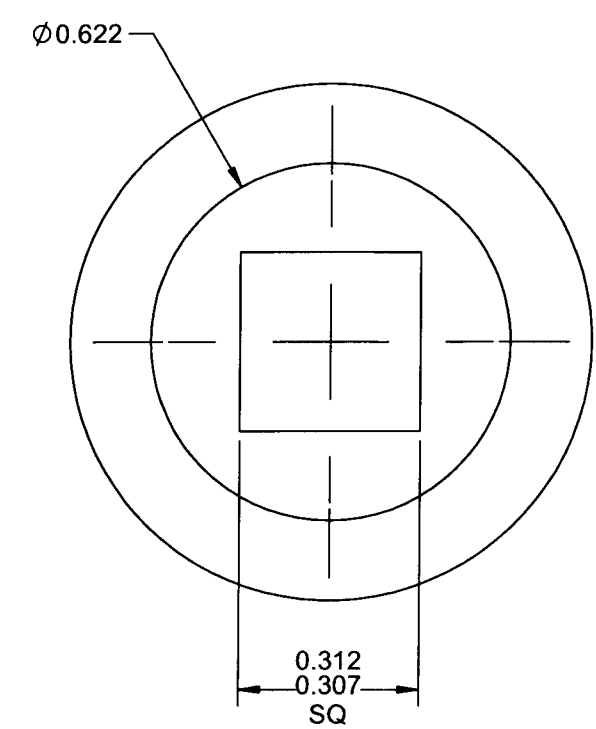
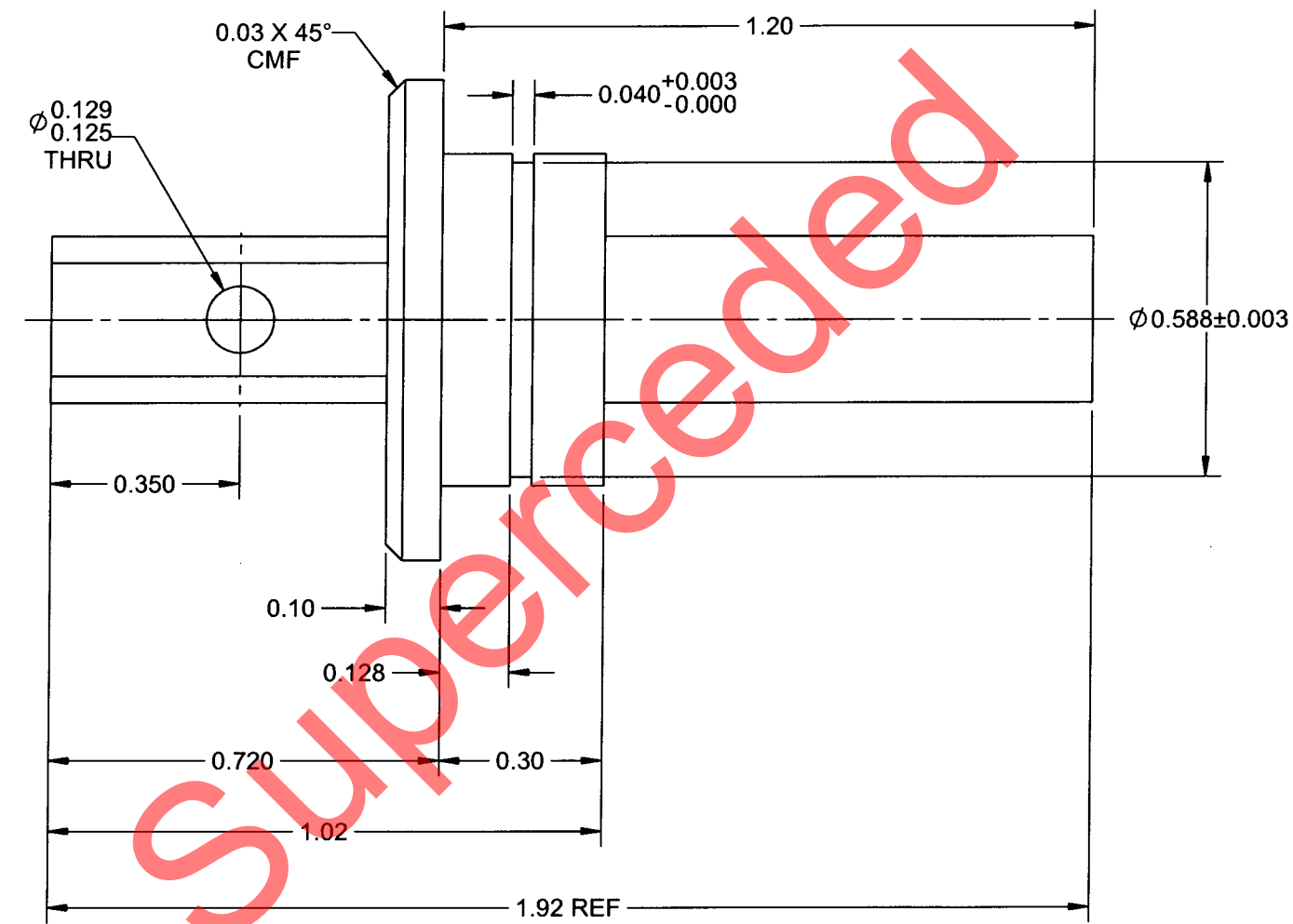
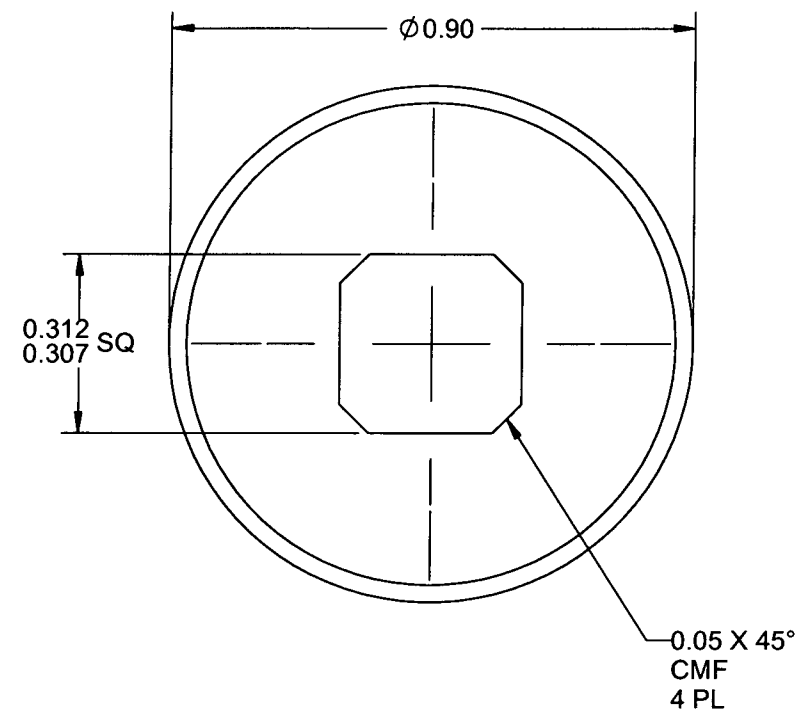
- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582  
REF DART SPEC M303B OR  
AISI 304/316 SS BAR OR PLATE  
PER ASTM A276 OR ASTM A240  
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.14 lbs
- 8) PROFILE PER DWG FILE "D4522-12-RevA.STP"

D4522-12 HANDLE SHAFT ARM

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO. D4522	REV. A
MFG. APPR.			SHEET 17 OF 25
APPROVED		TITLE DOOR LATCH ASSY (412)	SCALE
DE APPR.			NTS
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2012-03-08

D  
C  
B  
A



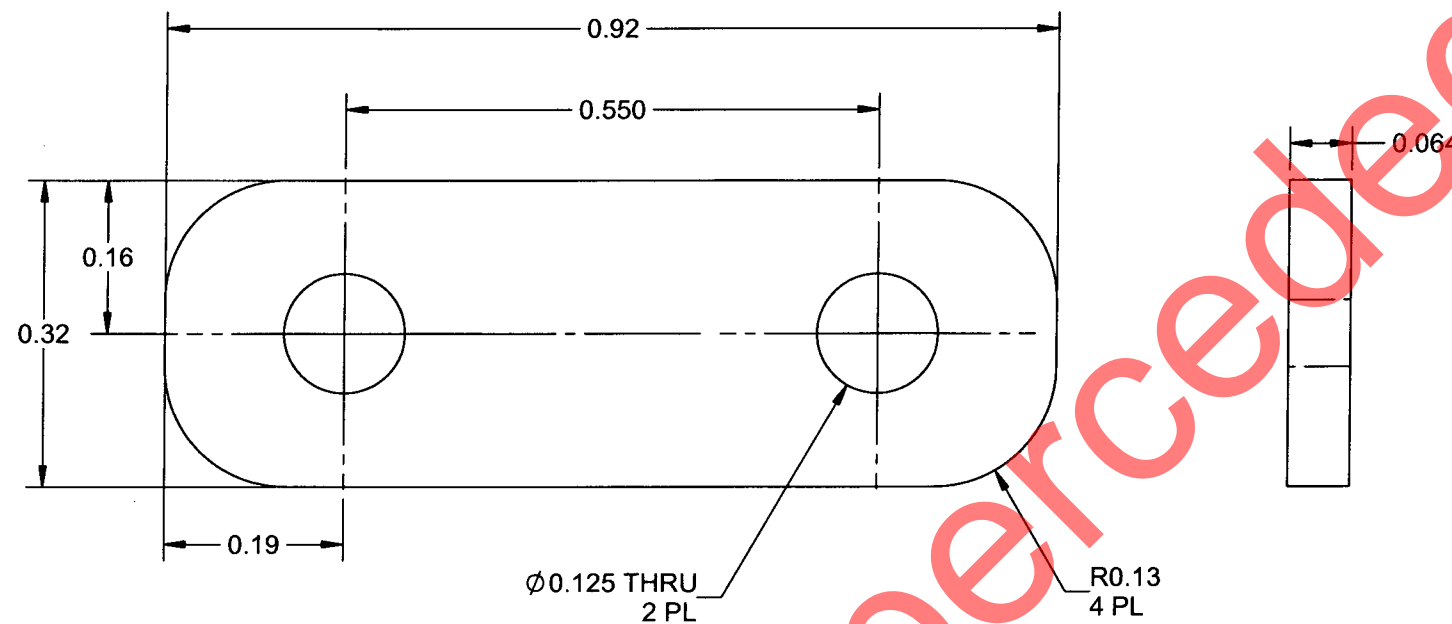
RELEASED  
2012-03-08  
[Signature]

**D4522-13 HANDLE SHAFT ADAPTER**

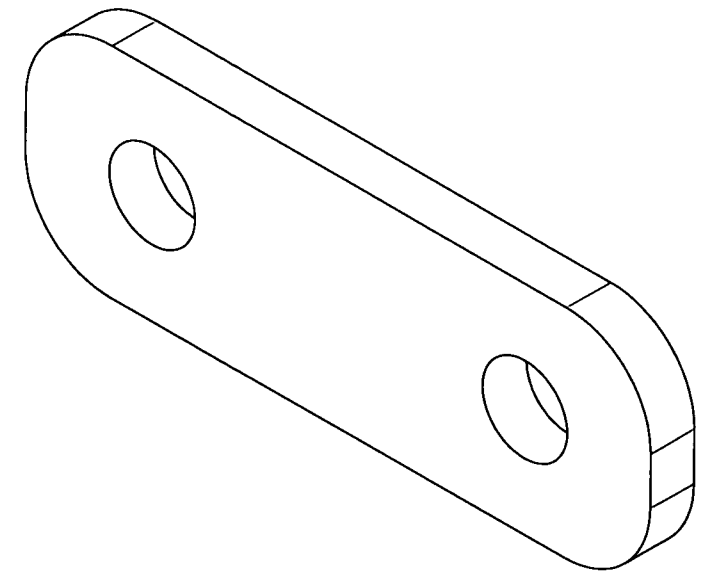
**NOTES:**

- 1) MATERIAL: AISI 303 SS ROUND BAR PER ASTM A582  
REF DART SPEC M303R1.00 OR  
AISI 304/316 SS ROUND BAR PER ASTM A276  
REF DART SPEC M304R1.00
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6
- 7) WEIGHT: 0.08 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	[Signature]	DRAWING NO.	REV. A
MFG. APPR.	[Signature]	<b>D4522</b>	SHEET 18 OF 25
APPROVED	[Signature]	TITLE	SCALE
DE APPR.	[Signature]	<b>DOOR LATCH ASSY (412)</b>	NTS
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**D4522-17 LINKAGE**

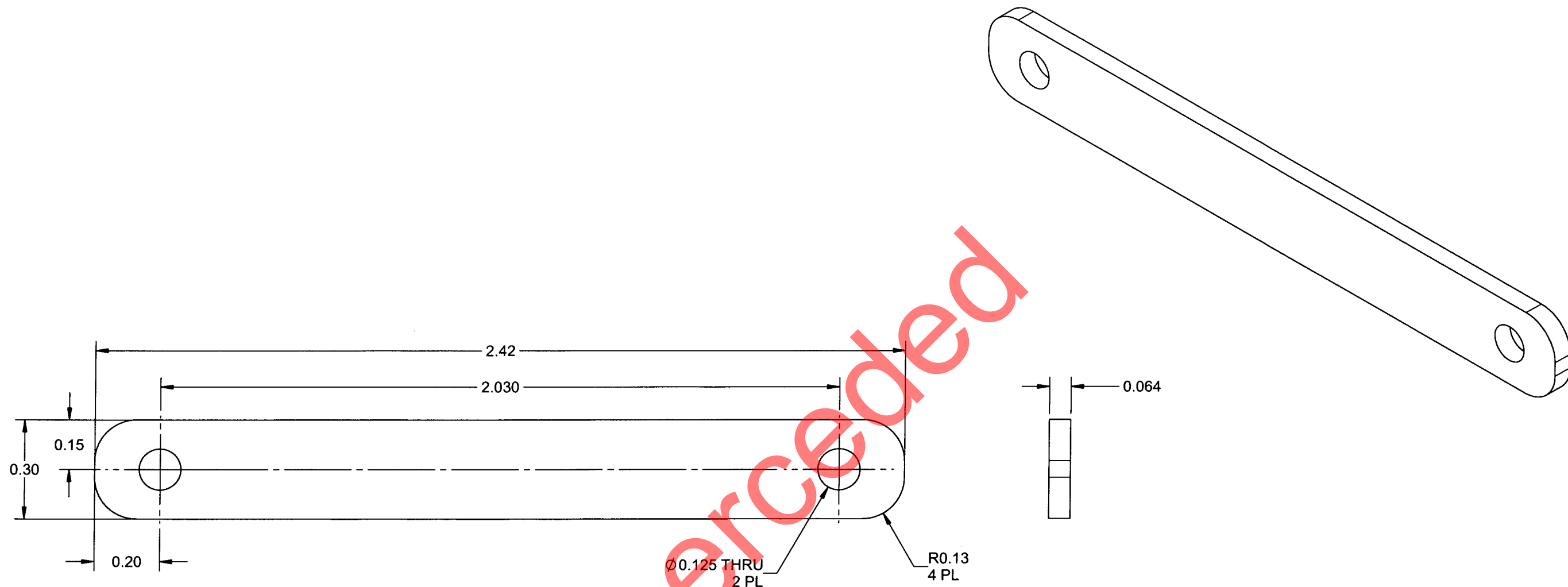


**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH  
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.01 lbs

**RELEASED**  
2012-03-08  
*MP*

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO. <b>D4522</b>	REV. A
MFG. APPR.	<i>[Signature]</i>	SHEET 19 OF 25	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>DOOR LATCH ASSY (412)</b>	NTS
DATE	<b>12.02.24</b>	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



# **D4522-19 LINKAGE**

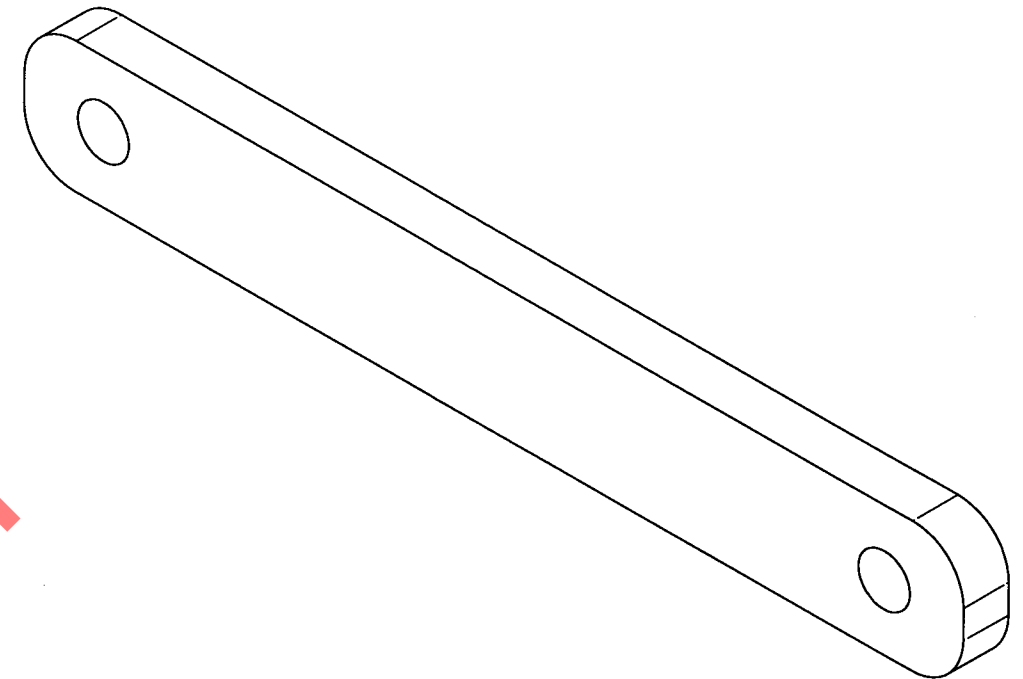
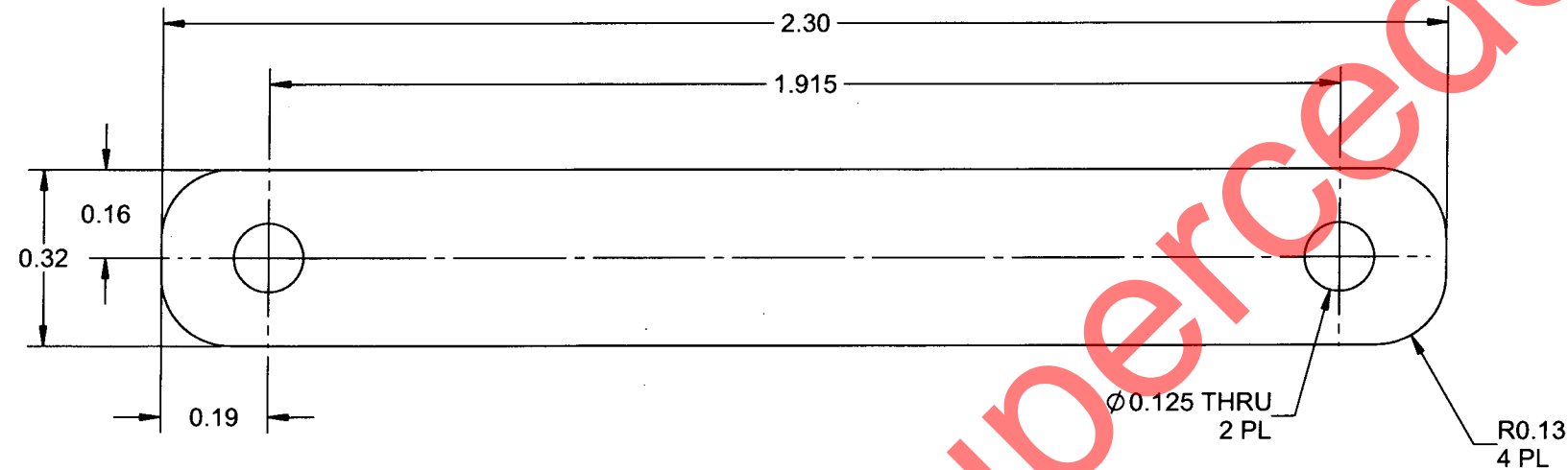
## **NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH  
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044.6.6 OR 6.7
- 7) WEIGHT: 0.01 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	<b>D4522</b>	SHEET 20 OF 25
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE-APPR.	<i>[Signature]</i>	<b>DOOR-LATCH ASSY-(412)</b>	NTS
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**RELEASED**  
2012-03-08  
*[Signature]*





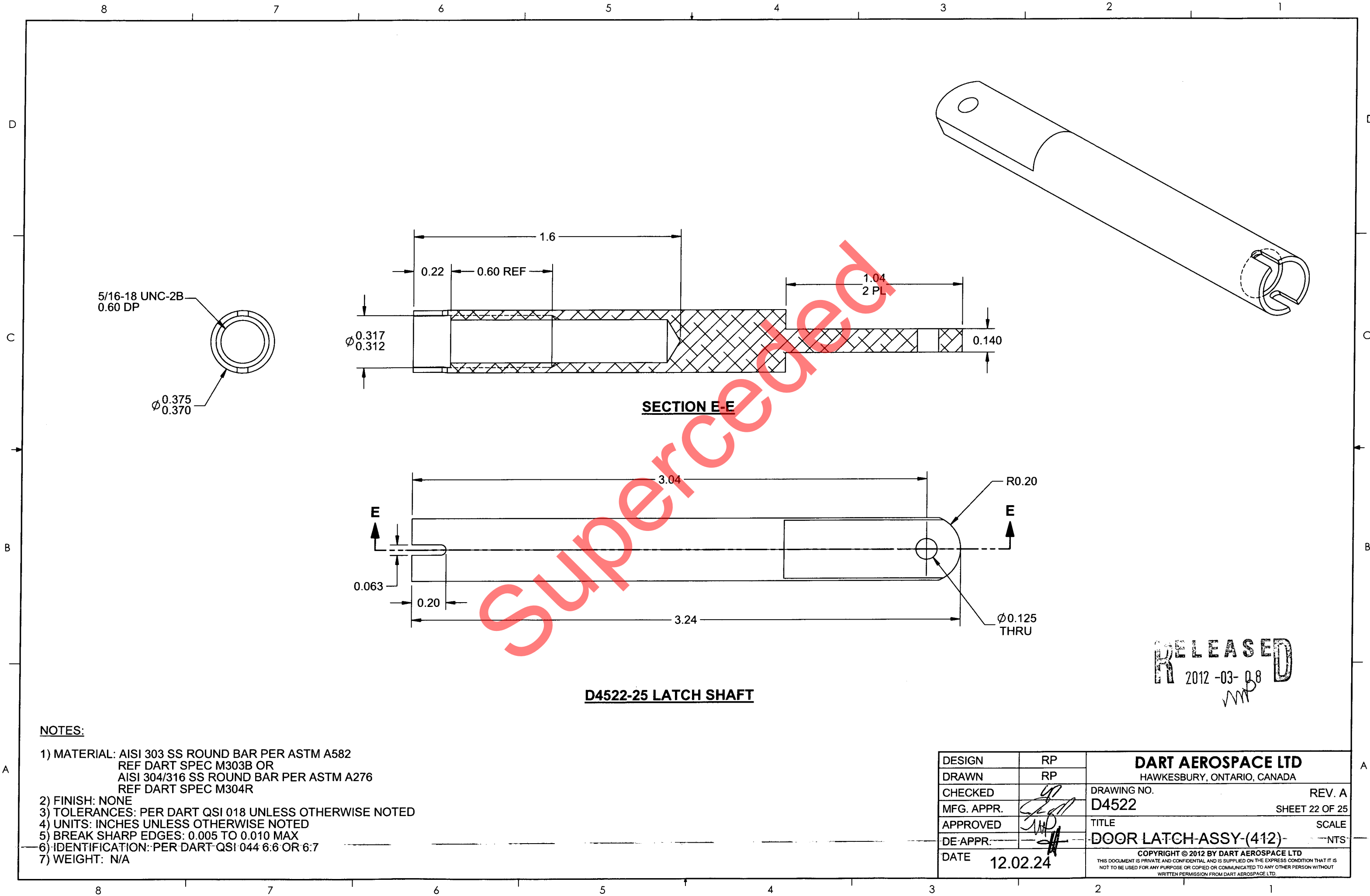
# **D4522-21 LINKAGE**

**RELEASED**  
2012-03-08  
MP

## **NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH  
REF DART SPEC M304S12GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.02 lbs

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4522	SHEET 21 OF 25
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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SECTION E-E

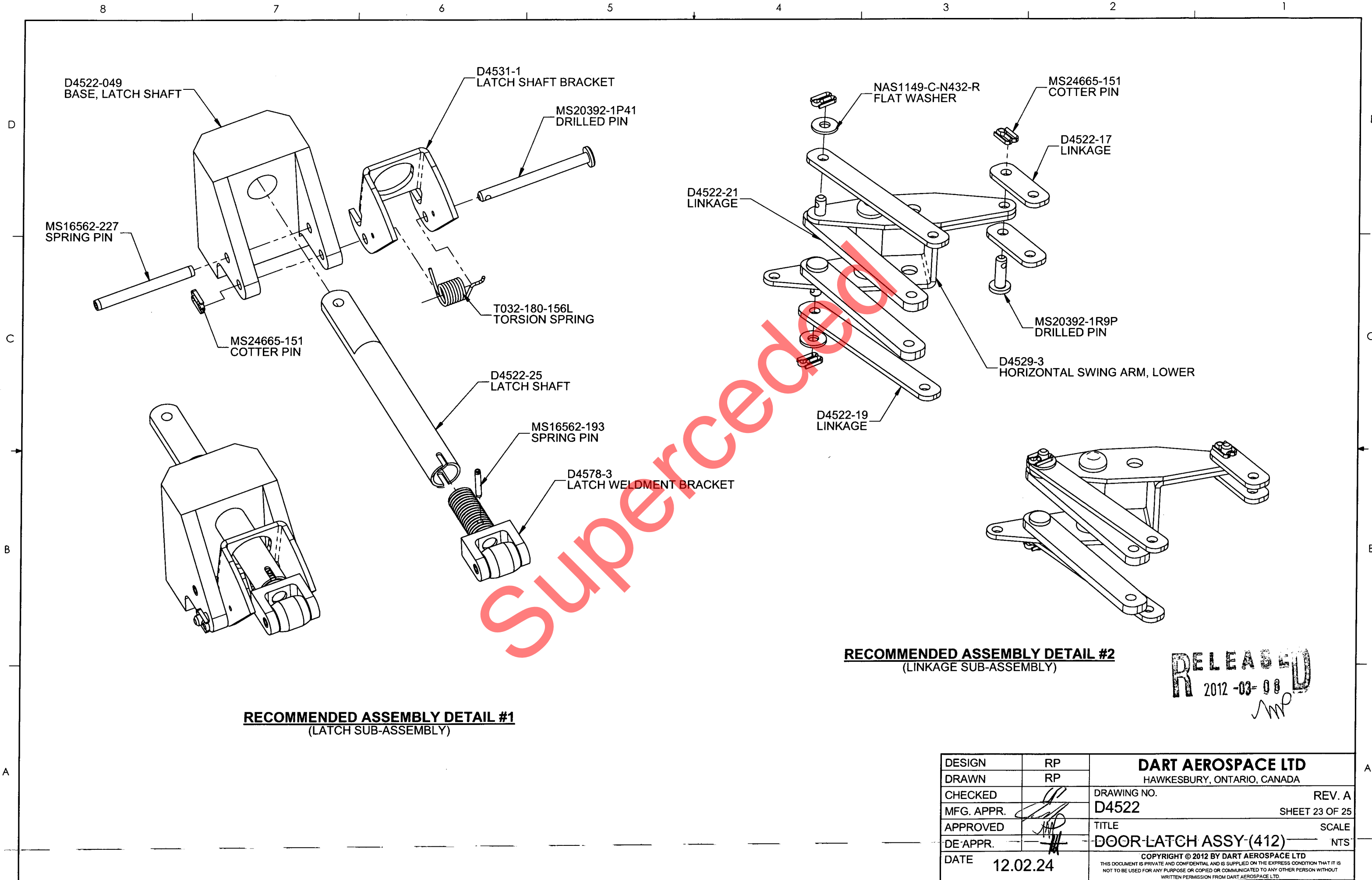
D4522-25 LATCH SHAFT

RELEASED  
2012-03-08  
mm

NOTES:

- 1) MATERIAL: AISI 303 SS ROUND BAR PER ASTM A582  
REF DART SPEC M303B OR  
AISI 304/316 SS ROUND BAR PER ASTM A276  
REF DART SPEC M304R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6:6 OR 6:7
- 7) WEIGHT: N/A

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	UP	DRAWING NO.	REV. A
MFG. APPR.	SEA	D4522	SHEET 22 OF 25
APPROVED	WJ	TITLE	SCALE
DE-APPR.	WJ	DOOR LATCH ASSY-(412)	NTS
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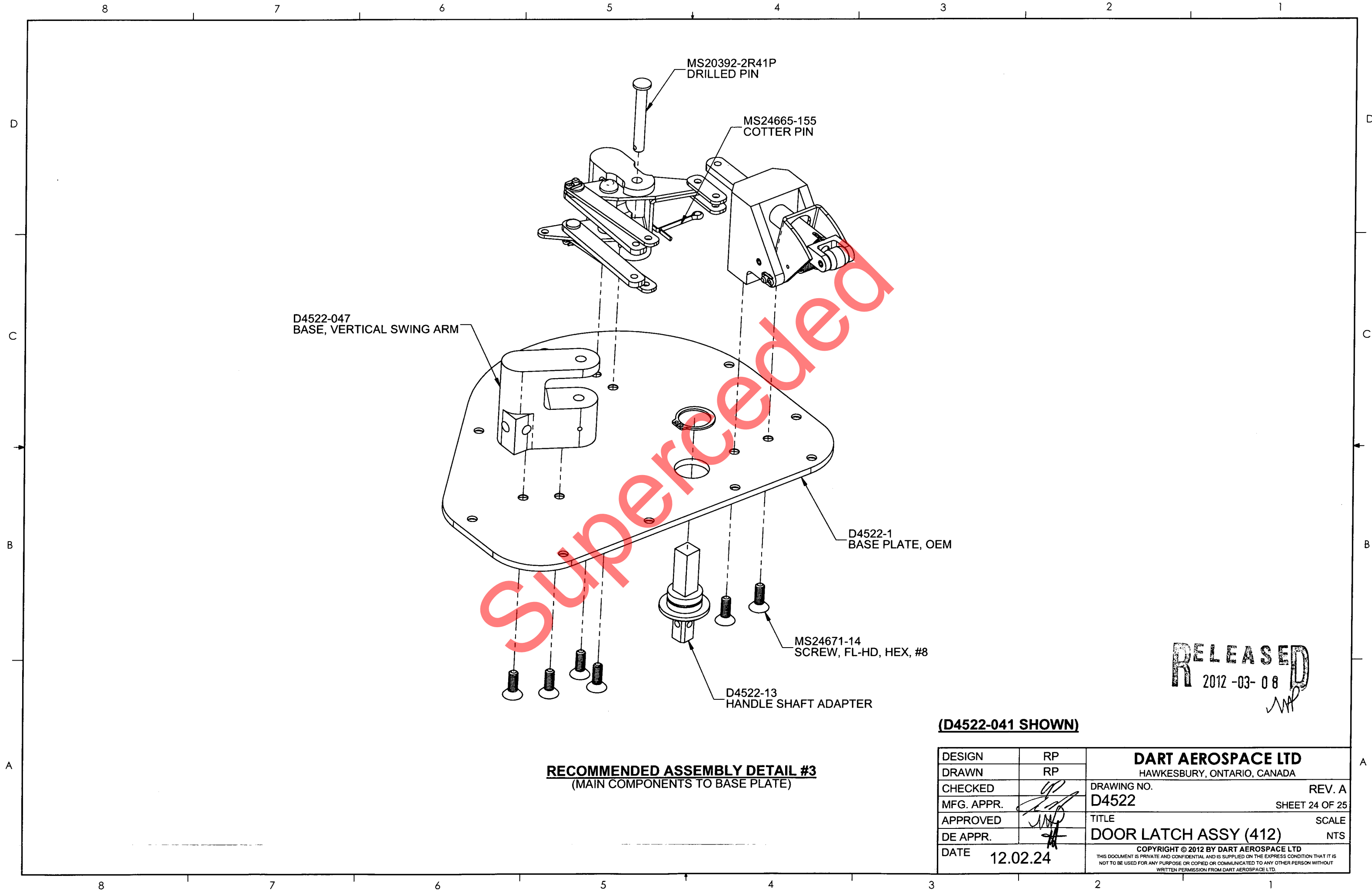


**RECOMMENDED ASSEMBLY DETAIL #1**  
(LATCH SUB-ASSEMBLY)

**RECOMMENDED ASSEMBLY DETAIL #2**  
(LINKAGE SUB-ASSEMBLY)

RELEASED  
2012-03-08  
*MP*

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	<b>D4522</b>	SHEET 23 OF 25
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>DOOR LATCH ASSY-(412)</b>	NTS
DATE	12.02.24	COPYRIGHT © 2012 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



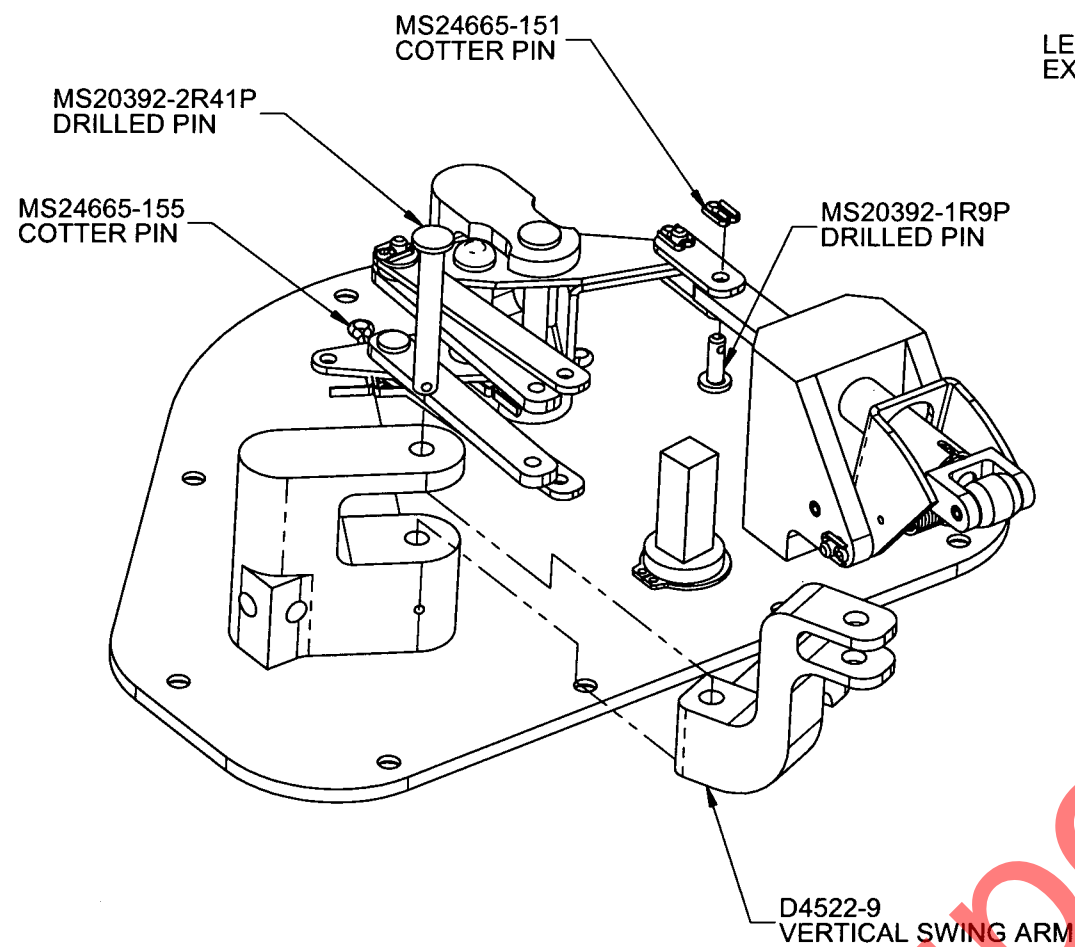
**RECOMMENDED ASSEMBLY DETAIL #3**  
(MAIN COMPONENTS TO BASE PLATE)

RELEASED  
2012-03-08

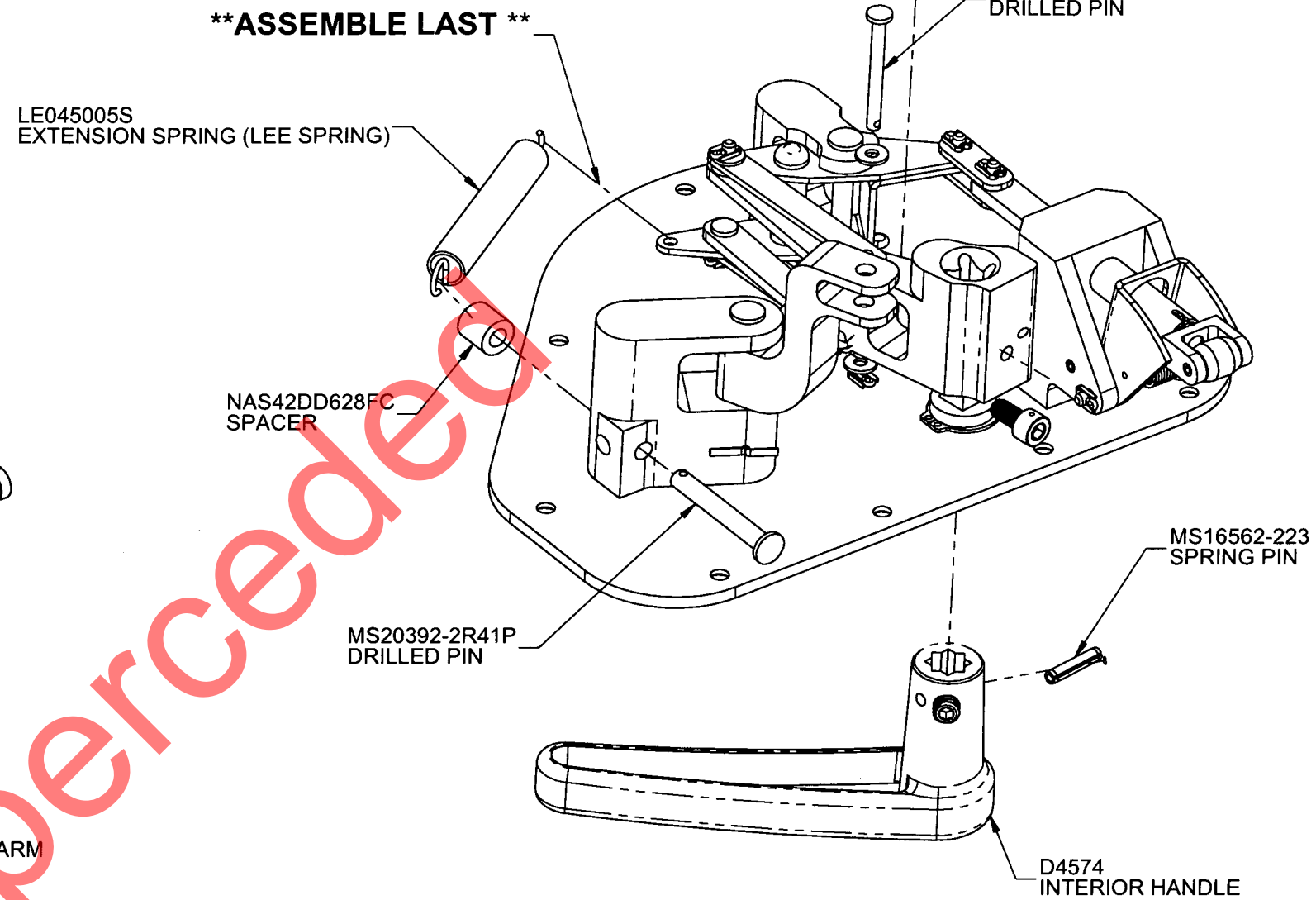
(D4522-041 SHOWN)

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4522	SHEET 24 OF 25
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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**RECOMMENDED ASSEMBLY DETAIL #4**  
(VERTICAL SWING ARM, TENSION SPRING, LATCH LINKAGE)



**RECOMMENDED ASSEMBLY DETAIL #5**  
(HORIZ SWING ARM & HANDLE)

RELEASED  
2012-03-08

(D4522-041 SHOWN)

DESIGN	RP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4522</b>	SHEET 25 OF 25
APPROVED		TITLE	SCALE
DE APPR.		<b>DOOR LATCH ASSY (412)</b>	NTS
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